EPA REGISTRATION NUMBER 83100-27 – VOL. 2

Material Sent for Data Extraction

Reg. # 83100-27

Description: CSF Notification

☒ Material(s) Sent to Data Extraction Contractors:

- ☐ New Stamped Label Dated _____
- ☒ Notification Dated FEB 0 3 2012
- ☒ New CSF(s) Dated 1/6/12
- ☐ Other: _____

☒ Decision #: 460556

☐ Other Action/Comments: _____

_____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: **Jessica Rogala**

Phone: **347-0263** Division: **RD/IRB**

Date: FEB 0 3 2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Frank E. Sobotka, Ph. D.
ROTAM Agrochemical Company Limited
C/O IPM Resources LLC
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

NOTIFICATION

FEB 0 3 2012

Subject: Revised Basic Confidential Statement of Formula and Alternate CSF 1
Rotam Methomyl 29LV Insecticide
EPA Registration No. 83100-27
Date Submitted: January 6, 2012

Dear Dr. Sobotka:

The Agency has reviewed your submission for revised Confidential Statement of Formulas, and the following comment applies:

The Confidential Statement of Formulas dated January 6, 2012 for the basic formulation and alternate CSF 1 are in compliance with PR Notice 98-10 and are acceptable.

The CSF's have been added to your file as part of the record and will supersede the previously submitted CSF's for the basic and alternate 1formulations. If you have any questions, please contact Jessica Rogala at (703) 347-0263 or via email at rogala.jessica@epa.gov.

Sincerely,

J. Rogala

Jessica Rogala
Environmental Protection Specialist
Insecticide-Rodenticide Branch
Registration Division (7505P)

IPM *Resources LLC*

4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

January 06, 2012

VIA UPS EXPRESS

Hebert.John@epa.gov
[REF. ☎ 1 -703-308-6249]

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT: Notification of Change of Name and Address of Producing Facility on the Confidential Statement of Formula for Rotam Methomyl 29LV Insecticide 83100-27

Dear Mr Hebert:

The purpose of this letter is to transmit to the Agency Notification on behalf of Rotam Agrochemical Company Limited to Change the Name and Address of the Producing Facility on the Basic and Alternate Confidential Statement of formula for the above subject product.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false stgatement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

The following documents are enclosed with this submission:

- Transmittal Form (EPA Form 8570-1)
- 2 Copies of the Updated Basic and Alternate CSF's.

Thank you for your assistance with this Notification. If you have any questions or need additional information, please do not hesitate to contact me at any time.

Sincerely yours,

Frank E. Sobotka, Ph.D. Agent
Senior Partner
IPM Resources LLC

Please read instructions on reverse before comp[illegible] form. Form Approve[illegible]MB No. 2070-0060, Approval expires 2-28-95

EPA

United States
Environmental Protection Agency
Washington, DC 20460

- [ ] Registration
- [ ] Amendment
- [x] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Rotam Agrochemical Company Ltd / 83100-27	John Hebert	[x] None [ ] Restricted
4. Company/Product (Name)	**PM#**	
Rotam Methomyl 29LV Insecticide	7	

5. Name and Address of Applicant *(Include ZIP Code)*

ROTAM Agrochemical Company Limited
C/O IPM Resources LLC (Agent)
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

[ ] *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

- [ ] Amendment - Explain below.
- [ ] Resubmission in response to Agency letter dated _____
- [x] Notification - Explain below.
- [ ] Final printed labels in repsonse to Agency letter dated _____
- [ ] "Me Too" Application.
- [ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Notification to change the name and address of the producing facility listed on the Basic and Alternate Confidential Statement of Formula for Rotam Methomyl 29LV Insecticide (83100-27). This Notification is consistent with the provisions of PR Notice 98-10. A Statement of Certification is contained in the Transmittal letter with this Notification.

Section - III

1. Material Thie Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Metal [ ] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
* ***Certification must be submitted***	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[ ] Label [ ] Container	1qt, 1 gal, 2.5 gal, 15 gal, 55 gal, bulk	[ ]

6. Manner in Which Label is Affixed to Product [ ] Lithograph [ ] Paper glued [ ] Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Frank E. Sobotka, Ph.D.	Agent	215 497-9501

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received (Stamped)
[signature]	Agent	
4. Typed Name: Frank E. Sobotka, Ph.D.	5. Date: January 06, 2012	

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND
POLLUTION PREVENTION

Frank E. Sobotka, Ph. D.
ROTAM Agrochemical Company Limited
C/O IPM Resources LLC
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

NOTIFICATION

JAN 2 3 2012

Subject: Revised Basic CSF dated and revised Alternate CSF 1
EPA Registration No. 83100-27
Date Submitted: December 22, 2011

Dear Dr. Sobotka:

The CSF's referred to above, submitted under FIFRA are acceptable and will supersede all previously approved basic & alternate CSF's. If you have any questions, please contact Jessica Rogala at (703) 347-0263 or via email at rogala.jessica@epa.gov.

Sincerely,

J. Rogala

Jessica Rogala
Environmental Protection Specialist
Insecticide-Rodenticide Branch
Registration Division (7505P)

IPM *Resources LLC*

4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

December 22, 2011

VIA UPS EXPRESS

Hebert.John@epa.gov
[REF. ☎ 1 -703-308-6249]

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT: Notification of Change of Name and Address of Producing Facility on the Confidential Statement of Formula for Rotam Methomyl 29LV Insecticide 83100-27

Dear Mr Hebert:

The purpose of this letter is to transmit to the Agency Notification on behalf of Rotam Agrochemical Company Limited to Change the Name and Address of the Producing Facility on the Basic and Alternate Confidential Statement of formula for the above subject product.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false stgatement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

The following documents are enclosed with this submission:

- Transmittal Form (EPA Form 8570-1)
- 3 Copies of the Updated Basic and Alternate CSF's.

Thank you for your assistance with this Notification. If you have any questions or need additional information, please do not hesitate to contact me at any time.

Sincerely yours,

Frank E. Sobotka, Ph.D. Agent
Senior Partner
IPM Resources LLC

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

EPA

United States
Environmental Protection Agency
Washington, DC 20460

- [ ] Registration
- [ ] Amendment
- [x] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Rotam Agrochemical Company Ltd / 83100-27	John Hebert	[x] None [ ] Restricted
4. Company/Product (Name) Rotam Methomyl 29LV Insecticide	**PM#** 7	

5. Name and Address of Applicant *(Include ZIP Code)*

ROTAM Agrochemical Company Limited
C/O IPM Resources LLC (Agent)
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

[ ] *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

- [ ] Amendment - Explain below.
- [ ] Resubmission in response to Agency letter dated _____
- [x] Notification - Explain below.
- [ ] Final printed labels in repsonse to Agency letter dated _____
- [ ] "Me Too" Application.
- [ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Notification to change the name and address of the producing facility listed on the Basic and Alternate Confidential Statement of Formula for Rotam Methomyl 29LV Insecticide (83100-27). This Notification is consistent with the provisions of PR Notice 98-10. A Statement of Certification is contained in the Transmittal letter with this Notification.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Metal [ ] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[ ] Label [ ] Container	1qt, 1 gal, 2.5 gal, 15 gal, 55 gal, bulk	[ ]

6. Manner in Which Label is Affixed to Product [ ] Lithograph [ ] Paper glued [ ] Stenciled [ ] Other _____

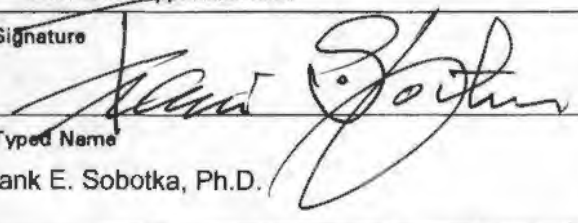
Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Frank E. Sobotka, Ph.D.	Agent	215 497-9501

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received
	Agent	[Stamped]
4. Typed Name Frank E. Sobotka, Ph.D.	**5. Date** December 22, 2011	

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Material to be added to an e-Jacket/Jacket

Reg. # 83100-27 Decision # 448694

Description: add chemigation supplementals (onions, beans, sweet corn). also added to main label

☒ Material(s) Sent to Data Extraction Contractors:

- ☒ Stamped Label Dated 11/23/11
- ☐ Notification Dated _____
- ☐ New CSF(s) Dated _____
- ☐ Other: _____

☐ Other Action/Comments: _____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Tom Harris Division: RD

Phone: 308-9423 Date: 11/23/11

Fw: stamped label for methomyl 83100-27
Thomas Harris to: frank_sobotka 11/23/2011 02:49 PM

forgot to state: Unless you specifically request a paper copy, this email will constitute the official transmission of this material.

Tom Harris
EPA/OCSPP/OPP/RD/IRB
voice: (703) 308-9423
fax: (703) 308-0029
harris.thomas@epa.gov
visit http://www.epa.gov/pesticides
----- Forwarded by Thomas Harris/DC/USEPA/US on 11/23/2011 02:49 PM -----

From: Thomas Harris/DC/USEPA/US
To: [redacted] **Personal privacy information**
Date: 11/23/2011 02:40 PM
Subject: stamped label for methomyl 83100-27

Dr. Sobotka,

Attached please find the stamped accepted label for your amendment to add chemigation supplementals to 83100-27. Both the main label and the individual supplemental labels are stamped accepted. Don't forget to add the actual expiration date when printing the supplemental labels. Please note that I renumbered the pages on each supplemental labeling starting over at page 1 each time.

Our policy on handling supplementals is still evolving. Thank you for your help in revising the main label to add the directions from the temporary supplementals. You did an excellent job.

083100-00027.20111123.stamped labels.amd.a.pdf

Tom Harris
EPA/OCSPP/OPP/RD/IRB
voice: (703) 308-9423
fax: (703) 308-0029
harris.thomas@epa.gov
visit http://www.epa.gov/pesticides

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

11/23/2011

Rotam Agrochemical Company Limited
c/o Frank E. Sobotka
IPM Resources LLC (agent)
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

re: Rotam Methomyl 29LV Insecticide, EPA Reg. # 83100-27
label amendment submitted 5/2/2011, revised 8/9/2011, 11/3/2011, 11/4/2011, 11/15/2011
(D# 448694) adding three supplement labels
accepted (11/15/2011 version)

Dear Dr. Sobotka:

The revised labeling reference to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is ACCEPTABLE. This amendment adds three supplemental labels already approved for this active ingredient. In addition, the directions in the supplemental labels for chemigation in certain states on onions, beans, peas, and sweet corn have been incorporated into the main label.

Both the main label incorporating the new uses and the individual supplemental labels for each new use are stamped "accepted". The individual supplemental labels will expire 3 years from the date of this letter.

Submit one copy of your final printed labeling incorporating the above changes prior to releasing your product for shipment. If the above provisions are not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A copy of the label stamped "accepted" is enclosed for your records. If you have any questions please contact Tom Harris at (703) 308-9423 or harris.thomas@epa.gov

Sincerely yours,

John D. Hebert
Product Manager
Insecticide Rodenticide Branch
Registration Division (7505C)
Hebert.John@epa.gov
(703) 308-6249

enclosures (4)

[Front Container Label – Optional if Booklet is used as front container label]

RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP	1A	INSECTICIDE

Rotam Methomyl 29LV Insecticide

Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	***By Weight***
Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	100%

Contains Methonol

ACCEPTED
NOV 2 3 2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 83100-27

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27 EPA Est. No.: 5905-GA-01

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional Precautionary Statements on inside booklet and back panel of container and Directions for Use on inside booklet.

Net Contents
Gallons
TBA

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong
1-866-927-6826

[Booklet Cover]

PULL HERE TO OPEN▶

RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP	1A	INSECTICIDE

Rotam Methomyl 29LV Insecticide

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

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Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	***By Weight***
Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	100%

Contains Methanol

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27

EPA Est. No.: 5905-GA-01

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong
1-866-927-6826

Net Contents
Gallons
TBA

Refer to inside for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions for Use

FIRST AID
(N-Methyl Carbamate insecticide)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

ATROPINE IS AN ANTIDOTE --SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.

POISONING SYMPTOMS — Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

TREATMENT — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to ROTAM METHOMYL 29LV INSECTICIDE alone. However, for exposure to combinations of ROTAM METHOMY L29LV and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol. Methanol may cause blindness. Corrosive. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
- Socks and chemical resistant footwear.
- Protective eyewear.
- Chemical resistant apron.
- Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any R, P, or HE prefilter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROL STATEMENTS

Human flaggers must be in enclosed cabs.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must not assist in the mixing and loading operations.

USER SAFETY RECOMMENDATIONS
USERS SHOULD:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove personal protective equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.
- Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.
This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Keep container closed. Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

Table of Contents **Page**

DIRECTIONS FOR USE
Restricted Use Pesticide

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WPS uses = 48 hour REI.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls.
Chemical-resistant gloves, such as barrier laminate or butyl rubber.
Shoes plus socks.
Protective eyewear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Do not formulate this product into other end-use products.

ROTAM METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. ROTAM METHOMYL 29LV INSECTICIDE is mixed with water for application.

Chemigation: Refer to supplemental, or Special Local Need (SLN) labeling or the crop specific sections of this label for use directions for chemigation. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label.

Pilots must not assist in the mixing and loading operations.

Do not apply by ground equipment within 25 feet, or by air within 100 feet of lakes, reservoirs, rivers, estuaries, commercial fish ponds and natural, permanent streams, marshes or natural, permanent ponds. Increase the buffer

zone to 450 feet from the above aquatic areas when ultra low volume application is made.

Hand-held equipment is prohibited for applications to crops. This product must be applied to crops only with mechanical ground, overhead sprinkler chemigation or aerial application equipment.

Use only in commercial and farm plantings. Not for use in home plantings. Not for use during any period after a commercial crop site is opened for public entry as a "U-Pick", "Pick Your Own" or similar operation; in no case shall preharvest applications be made after first public entry. The restricted entry interval and preharvest interval for the crop stated elsewhere on this label must be followed.

RESISTANCE MANAGEMENT

For resistance management, ROTAM METHOMYL 29LV INSECTICIDE is a group 1A insecticide. Repeated and exclusive use of ROTAM METHOMYL 29LV INSECTICIDE or other group 1A insecticides may lead to the build-up of resistant strains of insects in some crops. Not all members of this group have been shown to be cross-resistant. Different resistance mechanisms that are not linked to target site of action, such as enhanced metabolism, are common for this group of chemicals. Alternation of compounds from different sub-groups within this group may be an acceptable part of an integrated pest management program.

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below the economic threshold. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at http://www.irac-online.org.

INTEGRATED PEST MANAGEMENT

This product should be used as part of an Integrated Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for

treating specific pest/crop systems in your area.

SCOUTING
Monitor insect populations to determine whether or not there is a need for application of ROTAM METHOMYL 29LV INSECTICIDE based on locally determined economic thresholds. More than one treatment of ROTAM METHOMYL 29LV INSECTICIDE may be required to control a population of pests.

BENEFICIAL ARTHROPODS
ROTAM METHOMYL 29LV INSECTICIDE at rates of 2/5 to 3/4 pint per acre helps conserve certain beneficials, including big-eyed bugs, damsel bugs, flower bugs and spiders in cotton and soybeans. While these beneficials cannot be relied upon to control pests, they are of potential value and should be monitored along with pests in pest management programs on these crops.

SPRAY PREPARATION
Spray equipment must be clean and free of previous pesticide deposits before applying ROTAM METHOMYL 29LV INSECTICIDE. Fill spray tank 1/4 to 1/2 full of water. Add ROTAM METHOMYL 29LV INSECTICIDE directly to spray tank. Mix thoroughly. Use mechanical or hydraulic means; do not use air agitation. Spray mix should not be stored overnight in spray tank.

Compatibility - Since formulations may be changed and new ones introduced, in this situation users can premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.) before applying the product. Avoid mixtures of several materials and very concentrated spray mixtures.

Do not use ROTAM METHOMYL 29LV INSECTICIDE with Bordeaux mixture (copper sulfate and hydrated lime), Du Ter triphenyltin hydroxide, lime sulfur, Rayplex iron nor in highly alkaline solutions. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

Tank Mix Sequence – Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product.

1. Water soluble bags.
2. Water dispersible granules.
3. Wettable powders.
4. Water based suspension concentrates.
5. ROTAM METHOMYL 29LV INSECTICIDE and other water soluble concentrates.
6. Oil based suspension concentrates.
7. Emulsifiable concentrates.
8. Adjuvants, surfactants, oils, soluble fertilizers, and drift retardants. Follow local practice and manufacturer's recommendation.

APPLICATION
Apply at the recommended rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

Follow-up treatments of ROTAM METHOMYL 29LV INSECTICIDE should be applied, as needed, to keep pest populations within threshold limits. On most crops, ROTAM METHOMYL 29LV INSECTICIDE should be applied at 5 to 7 day intervals to maintain control. Refer to crop specific directions for use in the crop tables for more specific information on treatment intervals.

Use sufficient water to obtain thorough, uniform coverage. Since ROTAM METHOMYL 29LV INSECTICIDE is a fast acting contact insecticide, best results follow direct spraying of the target insect.

For aerial, use a minimum of 2 gals. per acre (gpa) except 10 gpa for peaches and nectarines; 15 gpa for oranges, lemons, grapefruit, tangelos and tangerines.

ROTAM METHOMYL 29LV INSECTICIDE is recommended for use as a low volume aerial spray 0.53 gpa (2L) for cotton* and soybeans* and 1 gpa for the crops listed below providing the following conditions are met:

- equipment is adjusted to distribute spray uniformly over the spray swath,
- wind conditions and other factors such as temperature and humidity are such
- that the spray is delivered to the target area,
- local regulations do not prohibit low-volume aerial sprays,
- use rates are applied as directed on the package label or supplemental labeling for the following crops:

Alfalfa	Celery	Peas (succulent)
Anise	Collards	Peppermint
Asparagus	Corn	Peppers
Barley	Cotton	Potato
Beans	Cucumber	Rye
Broccoli	Lettuce	Soybean
Brussels sprouts	Melons	Spinach
Cabbage	Mint	Sugar beet
Carrot	Oats	Summer Squash
Cauliflower	Peanuts	Wheat

Apply the low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

* Not registered for aerial application in a diluted volume of less than 1 gal in CA.

SPRAY TANK CLEANOUT

Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

CHEMIGATION

Overhead Sprinkler Chemigation

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE on Alfalfa, Barley, Dry Beans, Oats, Green and Dry Bulb Onions, Potatoes, Rye, Succulent Beans, Succulent Peas, Sugar Beets, Sweet Corn, and Wheat Using Overhead Sprinkler Chemigation

Overhead sprinkler chemigation is allowed for use in alfalfa, barley, succulent and dry beans, oats, onions, succulent peas, potatoes, rye, sugar beets, sweet corn and wheat. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label.

Overhead chemigation applications offer the advantage of greater penetration and coverage of the target plant. However, typical chemigation applications are more dilute than ground or aerial applications. For best results, it is recommended to keep the concentration of ROTAM METHOMYL 29LV INSECTICIDE as high as possible in the application. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

ROTAM METHOMYL 29LV INSECTICIDE is most active as a contact insecticide, although it does also have activity via ingestion of treated plants. For best results, applications of ROTAM METHOMYL 29LV INSECTICIDE should take place when the insects are active and most likely to come into direct contact with the application.

Types of Overhead Sprinkler Irrigation Systems

ROTAM METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of various pests. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN, or this main product label.

Directions for Overhead Sprinkler Chemigation

Preparation: A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH5-7).

Injection Into Overhead Sprinkler Chemigation System: Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Operation: Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

Nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices must be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System: Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Drip Chemigation

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE on green and dry bulb onions Using Drip Chemigation

Drip chemigation is allowed in green and dry bulb onions. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN, or this product label.

Types of Drip Irrigation Systems

The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this main product label.

Directions for Drip Chemigation

Drip Guidance:

1. Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planting. The goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches deep.
2. Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of ROTAM METHOMYL 29LV INSECTICIDE comes out of each emitter.
3. Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
4. The minimum injection time that will result in uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity of the application. Also applications made with lower delivery volumes of water will improve uniformity.
5. When the drip tape is located between two single or double rows of onions, begin injection of ROTAM METHOMYL 29LV INSECTICIDE as soon as the system is up to pressure and continue through the first half to two-thirds of the irrigation cycle. The purpose is to ensure that the ROTAM METHOMYL 29LV INSECTICIDE is pushed all the way to the root zone of the outer row and not left in the area around the emitter.
6. Applications should be made before pests reach thresholds.
7. Drip chemigation works best when fields are relatively flat.
8. The tape flow rate should be matched to the soil type, crop and climate. Too much flow can result in puddling and excessive time at soil saturation. Consult the tape manufacturer for more information.

Preparation: A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight.

Injection Into Drip Chemigation Systems: Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. The injection solution containing ROTAM METHOMYL 29LV INSECTICIDE should be injected during the middle one-third of the irrigation cycle.

Operation: Start the water pump and let the system achieve the desired pressure and flow before starting the injector. Start the injector and calibrate the injection system. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

Cleaning the System: Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. ROTAM METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Additional Chemigation Directions (both overhead and drip)

Uniform Water Distribution

The irrigation system used for application of ROTAM METHOMYL 29LV INSECTICIDE must provide for uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment Calibration

Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background.

At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

AERIAL DRIFT REDUCTION ADVISORY INFORMATION

Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See **Wind, Temperature and Humidity,** and **Temperature Inversions** sections of this label.

Controlling Droplet Size - General Techniques

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Controlling Droplet Size – Aircraft

- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the

recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

- **Nozzle Type** - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types and the lowest drift.
- **Boom Length** - For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application Height** - Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- **Swath Adjustment** - When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downward edges of the fields, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

BOOM HEIGHT

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

WIND

Drift potential is lowest between wind speeds of 3-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 3 mph due to variable wind direction and high inversion potential. AVOID GUSTY OR WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

SENSITIVE AREAS
The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

SHIELDED SPRAYERS
Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS
Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.
Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

AIR ASSISTED (AIR BLAST) TREE AND VINE SPRAYERS
Air assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream. These sprayers are not suitable for applying herbicides. In addition to the general drift management principles already described, the following specific practices will further reduce the potential for drift.

Adjust deflectors and aiming devices so that spray is only directed into the canopy.
Block off upward pointed nozzles when there is no overhanging canopy.
Use only enough air volume to penetrate the canopy and provide good coverage.
Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

CROP RATE TABLE

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Alfalfa	Pea Aphid Lygus Bugs Blotch Leafminer Aphids Egyptian Alfalfa Weevil Larvae Loopers Beet Armyworm Armyworm Alfalfa Caterpillar Fall Armyworm Western Yellowstriped Armyworm Yellowstriped Armyworm	1 1/2 – 3	7 *	48 hrs
	Alfalfa Weevil Larvae	3		
	Variegated Cutworm	3/4 - 3		
	Do not apply to dormant or semi-dormant alfalfa when minimum. daily temp. is 50° F, or lower. Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Do not apply within 7 days of cutting or allowing livestock to graze.			
Anise (Fennel)	Cabbage Looper	3	7	48 hrs
	Beet Armyworm	1 1/2 - 3		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Crops	REI
Apple Ground application only	Apple Aphid Rosy Apple Aphid Tufted Apple Budmoth Green Fruitworm Tarnished Plant Bug	1 1/2 - 3 *	14	72 hrs
	Codling Moth (10-12 day spray intervals)			
	Leafrollers (Fruit-tree, Obliquebanded, Redbanded, Variegated) Lesser Appleworm White Apple Leafhopper Tentiform Leafminer Cutworm	3 *		
	Do not use on Early Macintosh & Wealthy varieties Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 5 applications per crop; minimum interval between treatments is 7 days. * Apply in a minimum of 50 gallons of water per acre.			
Asparagus	Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm Redbacked Cutworm	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop.			
Avocado	Western Avocado Leafroller Omnivorous Looper	1 1/2 - 3	1	48 hrs
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Barley	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: ROTAM METHOMYL 29LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when the aphid population is low (<10 adults per stem).			
Beans (Succulent) Including: Kidney Lima Mung Navy Pinto Snap Wax Broad Fava Asparagus Blackeyed peas Cowpeas Chick peas Garbanzo beans Sweet lupine White sweet lupine White lupine Grain lupine	Leafhopper Mexican Bean Beetle	3/4 – 3	Succulent Beans - 3/4 - 1 1/2 pts. – 1, over 1 1/2 pts. – 3; 3 - Vines 7 - Hay	48 hrs
	Fall Armyworm Variegated Cutworm(**)	1 1/2		
	Beet Armyworm(**) Corn Earworm Saltmarsh Caterpillar(**) Yellowstriped Armyworm(**) Western Yellowstriped Armyworm(**) Lygus Bugs Thrips Aphids(**) Loopers*(**)	1 1/2 - 3		
	European Corn Borer (Ovicide & Larvicide)-- Initiate when moth flights first appear and-continue preventive treatments at 3-4 day intervals To control eggs and larvae			
	Spotted Cucumber Beetle	3/4 – 1 1/2		

	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. * Do not use for Loopers in AL & GA. (**)Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied via overhead sprinkler irrigation in ID, MT, NV, OR, UT, & WA at the rate of 3 pints of product per acre. Apply in 0.1 to 0.2 inches of water per acre. Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to succulent beans.	

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Beans (Dry) (Same as Succulent Beans)	(Same as Succulent Beans)	(Same as Succulent Beans)	14 - Dry Beans * 14 - Vines * 14 - Hay *	48 hrs
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE/acre /crop. Do not make more than 10 applications per crop. Do not use for Loopers in AL & GA. *Do not apply within 14 days of cutting. (**)Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied via overhead sprinkler irrigation in ID, MT, NV, OR, UT, & WA at the rate of 3 pints of product per acre. Apply in 0.1 to 0.2 inches of water per acre. Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to dry beans.			
Beets (Table)	Imported Cabbageworm	3/4 – 3	0 - roots 10 -tops	48 hrs
	Beet Armyworm Cabbage Looper Diamondback Moth	1 1/2 - 3		
	Cucumber Beetle Variegated Cutworm	1 1/2		
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop.			
Bermudagrass pasture	Fall Armyworm Armyworm Striped Grass Looper	3/4 - 3	7 - Forage * 3 - Dehydrated Hay **	48 hrs
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. * Do not apply within 7 days of feeding forage or allowing livestock to graze. ** Do not apply within 3 days of cutting for hay.			
Blueberries	Blueberry Leafhopper Aphids Tussock Moth Weevil Sharp-Nosed Leafhopper	1 1/2	3	48 hrs
	Cranberry Fruitworm* Cherry Fruitworm*	1 1/2 – 3		
	Flea Beetle (larvae) Sawfly (larvae) Blueberry Leafroller	3		
	Blueberry Maggot	3/4–1 1/2		

	Do not apply during bloom. Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. * For ground use only.			
Broccoli	Loopers Diamondback Moth	1 1/2 - 3**	3	48 hrs
	Imported Cabbageworm	3/4 - 3**		
	Do not apply more than 21 pints of ROTAM METHOMYL29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Brussels Sprouts	Loopers Imported Cabbageworm Diamondback Moth	1 1/2 – 3 **	3	48 hrs
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			
Cabbage	Loopers * Diamondback Moth Fall Armyworm	1 1/2 - 3 **	1	48 hrs
	Imported Cabbageworm	3/4 - 3 **		
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 15 applications per crop; minimum interval between treatments is 2 days. * Do not use for Loopers in AL & GA. ** Add a wetting agent to improve coverage.			
Carrot	Beet Armyworm Armyworms Aster Leafhopper	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	3/4 – 1 1/2		
	Do not apply more than 21 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			
Cauliflower	Imported Cabbageworm	3/4 – 3 **	3	48 hrs
	Loopers Diamondback Moth	1 1/2 – 3 **		
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			
Celery	Beet Armyworm Aster Leafhopper	1 1/2 – 3	7	48 hrs
	Loopers	3		
	Variegated Cutworm	1 1/2		
	Armyworms	3/4 - 3		
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Chicory	Beet Armyworm Variegated Cutworm Leafhoppers	1 1/2 - 3	80	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop.			
Chinese Cabbage	Loopers Beet Armyworm	1 1/2 - 3*	10	48 hrs
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. * Minimum of 25 gallons water per acre by ground or 5 gallons by air.			
Collards (Fresh market only)	Diamondback Moth Variegated Cutworm	1 1/2	10	48 hrs
	Imported Cabbageworm Beet Armyworm Loopers*	1 1/2 - 3		
	Do not apply when temp. is less than 50° F. Do not apply when crop is less than 10" tall. Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. * Do not use for Loopers in AL & GA.			
Corn (Field, Popcorn & Seed)	Earworm – (Ovicide/Larvicide) Armyworm Fall Armyworm European Corn Borer Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids	3/4 – 1 1/2	21 - Ears 3 - Forage* 21 - Stover*	48 hrs
	Variegated Cutworm, Beet Armyworm	1 1/2		
	Do not apply more than 7.5 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. *Corn forage is green actively growing plants that are harvested with the ears intact. The plants can be fed directly to animals or used to make silage. Corn stover are the parts of the plant that remain after removal of the grain at full plant maturity. These remaining stalks and leaves can be fed as roughage to animals.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Corn (Sweet)	Earworm--Whorl as needed	1 – 1 1/2	0 -Ears 3 - Forage 21 - Stover	48 hrs
	Fall Armyworm* Armyworm* Earworm*, (Ovicide/Larvicide) European Corn Borer -Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids*	3/4 – 1 1/2		
	Variegated Cutworm Beet Armyworm*	1 1/2		
	Certain hybrid varieties of sweet corn are susceptible to methomyl injury. Treat a small area to determine crop safety before full scale spraying. Do not apply more than 21 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 28 applications per crop; minimum interval between treatments is 1 day. *Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied via overhead sprinkler in CO & NM at the rate of 1 1/2 pints of product per acre. Apply in 0.1 to 0.2 inches of water per acre. Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to sweet corn. Make the last application of ROTAM METHOMYL 29LV INSECTICIDE at least 0 days for ears, 3 days for forage, or 21 days for stover before harvest.			
Cotton – All US	**Ovicide/Larvicide -** Bollworm Tobacco Budworm (Initiate schedule when significant numbers of eggs are present Continue at 3 to 5-day intervals while eggs are present and larval control is adequate. If significant larvae survive, use higher rates below.) Lygus Bugs/Plant Bugs (adults and nymphs) Start treatment on low level population for suppression.	2/5 - 3/4 (see Insect Predator Section)	15	72 hrs
	Cotton Leafworm	3/4 – 1 1/2		
	Cotton Fleahopper (as needed)	2/5 – 3/4		
	Aphids, Thrips	3/4		

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
East of Rockies only	**(Early Season)** Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/PlantBugs (adults and nymphs) Use as occasional spray in regular schedule but not more often than every 10 days.	1 1/2		
	(Late Season) Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/Plant Bugs (adult and nymphs) Up to 3 applications at 3-5 day intervals after desired boll load set on plants.	1 1/2 – 2 1/4		
Texas	Cotton Aphid	3/4 – 2		
West of Rockies only	**Larvicide for worms:** Bollworm Fall Armyworm Tobacco Budworm Lygus Bugs Beet Armyworm	1 1/2 – 2 1/4		
	Cotton Leafperforator	1 – 2 1/4		
	For applications West of the Rockies, make applications on 3-5 day intervals after desired boll load set on plants. **For all applications made to cotton in the United States:** Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. Do not graze or feed. Use may redden cotton. If excessive, stop or alternate with other insecticides.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt. – 1 Over 1 1/2 pt.- 3	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 12 applications /crop.			
Eggplant	Green Peach Aphid	3/4 – 3	5	48 hrs
	Tomato Pinworm (Ground Application Only) Beet Armyworm Corn Earworm	1 1/2 - 3		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			
Endive, Escarole	Beet Armyworm	1 1/2 - 3	10	48 hrs
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop.			
Garlic	Beet Armyworm	1 1/2**	7	48 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 6 applications per crop. ** Add a wetting agent to improve coverage.			
Grapefruit CA, AZ & HI only	Thrips Fruitree Leafroller Orange Tortrix Western Tussock Moth Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Horseradish (Ground application Only)	Aphids Thrips	1 1/2	65	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Leafy Green Vegetables: Beet (tops) Dandelions, Kale, Mustard Greens, Parsley, Swiss Chard, Turnip Greens	Beet Armyworm Cabbage Looper* Diamondback Moth Imported Cabbageworm	1 1/2 - 3	10	48 hrs
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. * Do not use for Cabbage Loopers in AL & GA.			
Lemon CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Lentils	Western Yellowstriped Armyworm	1 1/2 - 3	21	48 hrs
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop.			
Lettuce (Head and Leaf varieties)	Alfalfa Looper	3/4 - 3	3/4-1 1/2 pt. – 7 over 1 1/2 pts. – 10	48 hrs
	Thrips Aphids Beet Armyworm Cabbage Looper Corn Earworm Aster Leafhopper	1 1/2 - 3		
	Variegated Cutworm	1 1/2		
	Lettuce (head varieties) Do not apply more than 24 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 15 applications per crop; minimum interval between treatments is 2 days. **Lettuce (leaf varieties)** Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop; minimum interval between treatments is 2 days.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Melons Including: Canteloupe Casaba Santa Claus melon Crenshaw melon Honeydew melon Honey balls Persian melon Golden Pershaw melon Mango melon Pineapple melon Snake melon Watermelon	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pts. -- 1 day over 1 1/2 pts. -- 3 days	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 12 applications per crop.			
Mint (Peppermint, Spearmint)	Variegated Cutworm Alfalfa Looper	3	14	48 hrs
	Flea Beetles	2 1/4 - 3		
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Nectarine CA & AZ only	Thrips	1 1/2 – 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 3 applications per crop.			
Oats	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: ROTAM METHOMYL 29LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Onions (Green & Dry Bulb)	Beet Armyworm	1 1/2 - 3**	7 - Green & Dry Bulb Onions	48 hrs
	Thrips*(***) Variegated Cutworm Black Cutworm	3**		

Onions, green
Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.
Do not make more than 8 applications per crop; minimum interval between treatments is 5 days.

Onions, dry bulb
Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop.
Do not make more than 8 applications per crop; minimum treatment interval between treatments is 5 days.

*Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation to control thrips. Begin applications before thrips populations reach 3-5 thrips per plant. For best results, use the highest rate of ROTAM METHOMYL 29LV INSECTICIDE and a wetting agent. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.

** Add a wetting agent to improve coverage.

(***)Drip Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied via drip irrigation systems in ID, NV, OR, UT, and WA. ROTAM METHOMYL 29LV INSECTICIDE controls thrips at the rate of 3 pints of product per acre of plant bed applied thru drip irrigation systems. The rate of ROTAM METHOMYL 29LV INSECTICIDE is listed as a broadcast rate. For drip irrigation rates of ROTAM METHOMYL 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Acidify the injection solution containing ROTAM METHOMYL 29LV INSECTICIDE to a pH of 5 or less. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory control with any insecticide program. Make sequential applications at 7 to 10 day intervals. Consider use of products with an alternate mode of action as part of your thrips control program. Do not apply more than 12 pints (3.6 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to dry bulb onions. Do not apply more than 18 pints (5.4 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to green onions. Make the last application of ROTAM METHOMYL 29LV INSECTICIDE at least 7 days before harvest.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Drip Chemigation

Bed Spacing	Linear Ft. of Bed to Equal one Acre	Rotam Methomyl 29LV Insecticide Pt./A rate per 1000 Row Feet
36 inches	14,520 ft.	3.3 fl. oz.
48 inches	10,890 ft.	4.4 fl. oz.
60 inches	8,712 ft.	5.5 fl. oz.
72 inches	7,260 ft.	6.6 fl. oz.

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Oranges CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Fruittree Leafroller Beet Armyworm Citrus Cutworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Peaches	Catfacing Insects (Plant Bugs and Stink Bugs) - begin at petal fall and continue in cover sprays at 7 to 10-day intervals Oriental Fruit Moth* -begin at petal fall; use trapping devices and frequent field inspection to determine need for treatment. Continue treatment in cover sprays and alternate with residual-type insecticides registered for this use. Green Peach Aphid	3 pt (or 3/4 pt per 100 gal up to 400 gal per acre)	4	4 days
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 6 applications per crop. * Oriental Fruit Moth (Ground Application Only).			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Peanuts	Corn Earworm* Potato Leafhopper Fall Armyworm	3/4 – 3	21	48 hrs
	Beet Armyworm	1 1/4 - 3		
	Green Cloverworm Velvetbean Caterpillar Cabbage Looper Soybean Looper ** Thrips Granulate Cutworm	1 1/2 – 3		
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. Do not feed treated vines. * ROTAM METHOMYL 29LV INSECTICIDE has ovicidal and larvicidal control on corn earworm. **Soybean Looper is difficult to control. Do not apply to worms greater than 1/2" long. Use higher rate for severe infestations.			
Pears Northeast only	Green Fruitworm Oblique banded Leafroller	1 1/2 - 3*	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop. * Apply in a minimum of 50 gallons of water per acre.			
Peas (succulent) Including: Pigeon peas Chick peas Garbanzo beans Dwarf peas Garden peas Green peas English Peas Field peas Edible pod peas	Alfalfa Looper Cabbage Looper* Pea Aphid Beet Armyworm Saltmarsh Caterpillar Variegated Cutworm	1 1/2 - 3	1 - Peas 5 – Forage 14 - Hay	48 hrs
	Alfalfa Caterpillar Armyworm Green Cloverworm	3/4 - 3		
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 6 applications per crop; minimum interval between treatments is 3 days. * Do not use for Cabbage Loopers in AL & GA. Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied via overhead sprinkler irrigation in ID, MT, NV, OR, UT, & WA at the rate of 3 pints of product per acre. Apply in 0.1 to 0.2 inches of water per acre. Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 9 pints (2.7 lbs a.i.) of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to succulent peas.			
Pecans Southeast only	Aphids	1 1/2 - 3	30	48 hrs
	Do not apply more than 21 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 7 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Peppers Including: Bell Hot Pimentos Sweet	Loopers Beet Armyworm Green Peach Aphid Armyworm Fall Armyworm	1 1/2 – 3	3	48 hrs
	Variegated Cutworm	3/4 – 1 1/2		
	European Corn Borer	3		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			
Pomegranates	Omnivorous Leafroller	3	14	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop.			
Potato	Tuberworm* Loopers Aphids Beet Armyworm Leafhoppers Fall Armyworm	1 1/2 – 3	6	48 hrs
	Variegated Cutworm Flea Beetles	1 1/2		
	Do not apply more than 15 pints of ROTAM METHOMYL29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. Chemigation - ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Repeat applications of ROTAM METHOMYL 29LV INSECTICIDE on a 5-7 day schedule, or longer as needed, to control tuber worm populations. An application schedule of effective insecticides with different modes of action may be needed to keep foliar feeding larval populations as low as possible prior to harvest to reduce the risk of larval damage to the tubers. Failure to adequately control tuberworm larvae prior to crop senescence or vine kill increases the risk of tuber damage.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Rye	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Chemigation - ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: ROTAM METHOMYL 29LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Sorghum Including: Sudangrass (except Sweet Sorghum)	Sorghum Webworm	1 1/2*	14**	48 hrs
	Sorghum Midge –Apply when 50% bloom and 3-5 days later if needed. Fall Armyworm (Budworm) Beet Armyworm Corn Earworm Armyworm	3/4 – 1 1/2*		
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop. * Minimum of 10 gallons per acre by ground or 2 gallons per acre by air. ** Do not apply within 14 days of feeding forage or cutting for hay.			
Soybeans	Green Cloverworm Velvetbean Caterpillar Mexican Bean Beetle Corn Earworm - **Light to moderate Infestations**	2/5 - 3/4 (see Insect Predator section)	14 - Soybeans 3 - Forage 12 - Hay	48 hrs
	Corn Earworm - **Moderate to severe infestations**	3/4 – 1 1/2		
	Soybean Aphid	1/2 – 1		
	Beet Armyworm Salt Marsh Caterpillar Bean Leaf Beetle Fall Armyworm Thrips Silver Spotted Skipper - **Light to moderate infestations**	3/4 – 1		
	Silver Spotted Skipper - **Moderate to severe infestations**	1 – 1 1/2		
	Do not apply more than 4.5 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 3 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Spinach	Alfalfa Looper Cabbage Looper Beet Armyworm Fall Armyworm	1 1/2 - 3	7	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply when minimum daily temp. is 32° F, or lower. Do not apply to seedlings less than 3" diameter. Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop.			
Sugar Beet	Beet Webworm Flea Beetles Carrion Beetles Beet Armyworm* Aphids* Western Yellowstripe Armyworm*	3/4 - 3	30 - Tops 21- Roots	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. *Chemigation - ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation to control beet armyworm, aphids and western yellowstriped armyworm. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.			
Summer Squash* Including: Crookneck squash Straightneck squash Scallop squash Vegetable marrow Spaghetti squash Hyotan Cucuzza Hechima Chinese okra Bitter melon Balsam pear Balsam apple Chinese Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt. -- 1 day over 1 1/2 pt.-- 3 days	48 hrs
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 12 applications per crop. * Fruit of the Gourd (Cucurbitaceae) family that are consumed when immature, 100% of the fruit is edible cooked or raw, once picked cannot be stored, has a soft rind which is easily penetrated, and if seeds were harvested they would not germinate.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Tangelo, Tangerine CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Tobacco (Except shade)	Flea Beetle Hornworm	3/4 – 1 1/2	5 - Flue cured 14 - Air or fire cured	48 hrs
	Loopers Aphids Tobacco Budworm Fall Armyworm	1 1/2		
	Do not apply more than 7.5 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 5 applications per crop.			
Tomato (Including Tomatillos*)	Tomato Fruitworm Aphids Hornworm Loopers Beet Armyworm Southern Armyworm Pinworm Armyworm Fall Armyworm	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 21 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 16 applications per crop. * For tomatillos do not apply more than 15 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 5 applications per crop.			
Turf (For use on sod farms only)	Sod Webworm (after application, sprinkle irrigate for 15 minutes)	3 (1.1 fl. ozs. per 1000 sq. ft.)		48 hrs
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Do not graze or feed.			

Crops	Insects	Rate ROTAM METHOMYL 29LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Wheat	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Chemigation: ROTAM METHOMYL 29LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: ROTAM METHOMYL 29LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:
Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Storage and Disposal Continued

Nonrefillable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Storage and Disposal Continued

All Refillable Containers: Refillable container. Refilling Container: Refill this container with ROTAM METHOMYL 29LV INSECTICIDE containing methomyl only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. *Disposing of Container:* Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Rotam Agrochemical Company Limited or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Rotam Agrochemical Company Limited and Seller harmless for any claims relating to such factors.

Rotam Agrochemical Company Limited warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Rotam Agrochemical Company Limited, and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ROTAM LTD MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, Rotam Agrochemical Company Limited or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ROTAM AGROCHEMICAL COMPANY LIMITED AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ROTAM AGROCHEMICAL COMPANY LIMITED OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Rotam Agrochemical Company Limited and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Rotam Agrochemical Company Limited.

Manufactured by:
7/F Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong
1-866-927-6826

Registered: [TBA]

[Back Page of Booklet - remains on the container when booklet is removed]

RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP	1A	INSECTICIDE

Rotam Methomyl 29LV Insecticide

Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	***By Weight***
Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	100%

Contains Methanol

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27 EPA Est. No.: 5905-GA-01

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to inside label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions For Use.

FIRST AID
(N-Methyl Carbamate insecticide)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

ATROPINE IS AN ANTIDOTE --SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.

POISONING SYMPTOMS — Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

TREATMENT — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to ROTAM METHOMYL 29LV INSECTICIDE alone. However, for exposure to combinations of ROTAM METHOMY L29LV INSECTICIDE and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol. Methanol may cause blindness. Corrosive. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
- Socks and chemical resistant footwear.
- Protective eyewear.
- Chemical resistant apron.
- Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any R, P, or HE prefilter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of

equipment washwater or rinsate.
This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

PHYSICAL AND CHEMICAL HAZARDS
Combustible. Do not use or store near heat or open flame. Keep container closed. Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Storage and Disposal Continued

CONTAINER HANDLING:
Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Storage and Disposal Continued

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

All Refillable Containers: Refillable container. Refilling Container: Refill this container with ROTAM METHOMYL 29LV INSECTICIDE containing methomyl only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. *Disposing of Container:* Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong
1-866-927-6826

Registered: (TBA)

Net Contents
Gallons
TBA

Restricted Use Pesticide

Due to High Acute Toxicity to Humans.

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

Supplemental Labeling Green and Dry Bulb Onions

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON GREEN AND DRY BULB ONIONS VIA DRIP IRRIGATION IN THE STATES OF IDAHO, NEVADA, OREGON, UTAH, AND WASHINGTON

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Application Information, Rates and Timing
ROTAM METHOMYL 29LV INSECTICIDE controls thrips in green and dry bulb onions at the rate of 3 pints of product per acre of plant bed applied through drip irrigation systems. The rate of ROTAM METHOMYL 29LV INSECTICIDE is listed as a broadcast rate. For drip irrigation rates of ROTAM METHOMYL 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Acidify the injection solution containing ROTAM METHOMYL 29 LV INSECTICIDE to a pH of 5 or less. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory control with any insecticide program.

Manufactured by:
Rotam Agrochemical Company Ltd.
7F, Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

ACCEPTED
NOV 23 2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 83100-27

Application Information, Rates and Timing (continued)
Make sequential applications at 7 to 10 day intervals. Consider use of products with an alternate mode of action as part of your thrips control program. Do not apply more than 12 pints (3.6 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to dry bulb onions. Do not apply more than 18 pints (5.4 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to green onions. Make the last application of ROTAM METHOMYL 29LV INSECTICIDE at least 7 days before harvest.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Drip Chemigation

Bed Spacing	Linear Ft. of Bed to Equal One Acre	ROTAM METHOMYL 29LV INSECTICIDE pt./A rate per 1000 Row Feet
36 inches	14,520 ft.	3.3 fl. oz.
48 inches	10,890 ft.	4.4 fl. oz.
60 inches	8,712 ft.	5.5 fl. oz.
72 inches	7,260 ft.	6.6 fl. Oz

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Drip Chemigation Systems

Types of Irrigation Systems
ROTAM METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb onions. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in supplemental, SLN or the main product label.

Drip Guidance
1. Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planting. The goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches deep.
2. Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of ROTAM METHOMYL 29LV INSECTICIDE comes out of each emitter.
3. Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
4. The minimum injection time that will result in uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity of the application. Also applications made with lower delivery volumes of water will improve uniformity.
5. When the drip tape is located between two single or double rows of onions, begin injection of ROTAM METHOMYL 29LV INSECTICIDE as soon as the system is up to pressure and continue through the first half to two-thirds of the irrigation cycle. The purpose is to ensure that the ROTAM METHOMYL 29LV INSECTICIDE is pushed all the way to the root zone of the outer

row and not left in the area around the emitter.

6. Applications should be made before pests reach thresholds.
7. Drip chemigation works best when fields are relatively flat.
8. The tape flow rate should be matched to the soil type, crop and climate. Too much flow can result in puddling and excessive time at soil saturation. Consult the tape manufacturer for more information.

Preparation

A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight.

Injection Into Chemigation Systems

Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. The injection solution containing ROTAM METHOMYL 29LV INSECTICIDE should be injected during the middle one-third of the irrigation cycle.

Uniform Water Distribution

The irrigation system used for application of ROTAM METHOMYL 29LV INSECTICIDE must provide for uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration

Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from

backflow.

2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation

Start the water pump and let the system achieve the desired pressure and flow before starting the injector. Start the injector and calibrate the injection system. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. ROTAM METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

IMPORTANT
BEFORE USING ROTAM METHOMYL 29LV INSECTICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.
Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using ROTAM METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

Supplemental Labeling

Succulent Peas
Succulent Beans
Dry Beans

ROTAM METHOMYL 29LV INSECTICIDE
EPA Reg. No. 83100-27

FOR USE ON DRY AND SUCCULENT BEANS AND SUCCULENT PEAS VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING ROTAM METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Application Information, Rates and Timing
ROTAM METHOMYL 29LV INSECTICIDE controls beet armyworm, yellowstriped armyworm, western yellowstriped armyworm, saltmarsh caterpillar, aphids, variegated cutworm and loopers in succulent and dry beans and armyworm, beet armyworm, alfalfa looper, cabbage looper, pea aphid, saltmarsh caterpillar, variegated cutworm, alfalfa caterpillar and, green cloverworm in succulent peas at the rate of 3 pints of product per acre applied through overhead sprinkler irrigation systems. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F/ Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

ACCEPTED
NOV 23 2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 83100-27

Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to dry and succulent beans. Do not apply more than 9 pints (2.7 lbs a.i.) of ROTAM METHOMYL 29LV INSECTICIDE per acre per crop to succulent peas.

Observe the following pre-harvest intervals following the last application of ROTAM METHOMYL 29LV INSECTICIDE: Succulent beans and bean vines - 3 days, succulent bean hay - 7 days; Dry beans, dry bean vines and hay - 14 days to cutting after the last application; Succulent peas - 1 day, succulent pea forage - 5 days, and succulent pea hay 14 days.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems
ROTAM METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of the listed insects in dry and succulent beans and in succulent peas. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

Preparation
A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems
Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of ROTAM METHOMYL 29LV INSECTICIDE must provide for uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices
Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated
Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the

posting period.
All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation
Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.
It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.
Do not apply when wind speed favors drift beyond the area intended for treatment.
Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using ROTAM METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

Supplemental Labeling Sweet Corn

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON SWEET CORN VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF COLORADO AND NEW MEXICO

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING ROTAM METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Application Information, Rates and Timing
ROTAM METHOMYL 29LV INSECTICIDE controls armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn at the rate of 1 1/2 pints of product per acre applied through overhead sprinkler irrigation systems. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.
Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 lbs a.i.) ROTAM METHOMYL 29LV INSECTICIDE per crop to sweet corn. Make the last application of ROTAM METHOMYL 29LV INSECTICIDE at least 0 days for ears, 3 days for forage, and 21 days for stover before harvest.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F/ Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

ACCEPTED
NOV 2 3 2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 83100-27

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems
ROTAM METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

Preparation
A pesticide tank is used for the application of ROTAM METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems
Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of ROTAM METHOMYL 29LV INSECTICIDE must provide for uniform distribution of ROTAM METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices
Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has

at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform

manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.
It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.
Do not apply when wind speed favors drift beyond the area intended for treatment.
Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using ROTAM METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

Methomyl (83100-27) revised label
Frank Sobotka to: Thomas Harris 11/15/2011 06:58 AM

Tom, all corrections per your email were made in the attached documents (one clean, one HL). Note, in the precautionary statements section I added the word "Corrosive". This correction was requested by CALDPR for state approval in California. It is on the DuPont label as well. No other changes except those you requested in your email. Please send me a ecopy of the stamped label as soon as possible.
Thanks,

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

083100-0027.20111115.Primary Lbl.pdf 083100-0027.20111115.HL Primary Lbl.pdf

Revision needed (last one!) for Methomyl 29LV Amended label (83100-27)

Thomas Harris to: Frank Sobotka 11/10/2011 02:38 PM

Dr. Sobotka,

When I gave the package to my PM to sign he found a few more things to change on the methomyl label 83100-27. Some of these are really for Dupont to fix first so I won't require you to change them at this time (example, defining geographic areas , eg. "northeast", for some crops). However, there are two changes that you need to make on page 7 of your label (see attachment).

Just email me back another revised label and I should be able to get this signed. Thanks.

083100-0027.20111104.Primary Lbl.EPA COMMENTS.print image page 7.pdf

Tom Harris
EPA/OCSPP/OPP/RD/IRB
voice: (703) 308-9423
fax: (703) 308-0029
harris.thomas@epa.gov
visit http://www.epa.gov/pesticides

Frank Sobotka Per your email the above subject label has been... 11/04/2011 03:34:48 PM

From: Frank Sobotka [redacted] **Personal privacy information**
To: Thomas Harris/DC/USEPA/US@EPA
Date: 11/04/2011 03:34 PM
Subject: Methomyl 29LV Amended label (83100-27)

Per your email the above subject label has been revised and I am resending both a regular and HL copy for your final review and stamping. Note I also corrected any inconsistency concerning the Brand Name in the label so it reads the same throughout all labels.

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

[attachment "083100-0027.20111104.HL Primary Lbl.pdf" deleted by Thomas Harris/DC/USEPA/US]
[attachment "083100-0027.20111104.Primary Lbl.pdf" deleted by Thomas Harris/DC/USEPA/US]

DIRECTIONS FOR USE
Restricted Use Pesticide

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WPS uses = 48 hour REI.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber.
- Shoes plus socks.
- Protective eyewear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Do not formulate this product into other end-use products ~~without written permission from Rotam.~~

~~ROTAM METHOMYL 29LV INSECTICIDE should be used only in accordance with directions for use on this label or in separate Rotam supplemental labeling. Rotam will not be responsible for use of the product in a manner not specified by Rotam in the product's labeling and User assumes all risk for such use.~~

ROTAM METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. ROTAM METHOMYL 29LV INSECTICIDE is mixed with water for application.

Chemigation: Refer to supplemental, or Special Local Need (SLN) labeling or the crop specific sections of this label for use directions for chemigation. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label.

Page: 7

Author: tharri02 Subject: Cross-Out Date: 11/10/2011 1:01:13 PM
DELETE this phrase (or entire sentence)

The last phrase involves a contractual agreement between registrants and it is not appropriate to go into this level of detail on an EPA approved label. I'll notified DuPont to make same change.

Author: tharri02 Subject: Cross-Out Date: 11/10/2011 12:57:09 PM
DELETE

two problems with this paragraph:
a) "should only be used" is advisory; at least needs to be stated as "must only be used".
b) "... not responsible ... use of the product in a manner not specified ..." true, but such a use is illegal so Rotam's warranty would be the least of their worries! This sentence implies you can use the product off-label which is not true.

Best to just delete entire paragraph, it's not needed.

Methomyl 29LV Amended label (83100-27)

Frank Sobotka to: Thomas Harris 11/04/2011 03:34 PM

Per your email the above subject label has been revised and I am resending both a regular and HL copy for your final review and stamping. Note I also corrected any inconsistency concerning the Brand Name in the label so it reads the same throughout all labels.

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

083100-0027.20111104.HL Primary Lbl.pdf

083100-0027.20111104.Primary Lbl.pdf

Corrections needed to 83100-27 11/3 version
Thomas Harris to: Frank Sobotka 11/03/2011 03:39 PM

Dr. Sobotka,

Excellent job moving the supplemental text to the main label. I have a few comments. Please see attached markup. There are two versions: just print the print image to easily see the comments. You can use the "live" version to copy/paste any long text I've prescribed (I don't think I had anything too long).

Please email me back a revised .pdf. Thanks.

print image (just print as is): 083100-0027.20111103.Primary Lbl.EPA COMMENTS.PRINT IMAGE.pdf

"live" version: 083100-0027.20111103.Primary Lbl.EPA COMMENTS.pdf

Tom Harris
EPA/OCSPP/OPP/RD/IRB
voice: (703) 308-9423
fax: (703) 308-0029
harris.thomas@epa.gov
visit http://www.epa.gov/pesticides

Frank Sobotka — Tom, per our conversation and your email I have... — 11/03/2011 01:04:08 PM

From: Frank Sobotka [redacted] **Personal privacy information**
To: Thomas Harris/DC/USEPA/US@EPA
Date: 11/03/2011 01:04 PM
Subject: Revised Rotam Methomyl 29LV Insecticide (83100-27) Revised label

Tom, per our conversation and your email I have revised the above subject label making all of the changes you listed. I am sending two files one is a regular .pdf doc and the second is a highlighted .pdf version of the changes made to the label. I am choosing to attached the three Supplemental labels to the master label for stamping.

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

[attachment "083100-0027.20111103.HL Primary Lbl.pdf" deleted by Thomas Harris/DC/USEPA/US]
[attachment "083100-0027.20111103.Primary Lbl.pdf" deleted by Thomas Harris/DC/USEPA/US]

[Front Container Label – Optional if Booklet is used as front container label]

RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP	1A	INSECTICIDE

Rotam Methomyl 29LV Insecticide

Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	*By Weight*
Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	100%

Contains Methonol

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27 EPA Est. No.: 5905-GA-01

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional Precautionary Statements on inside booklet and back panel of container and Directions for Use on inside booklet.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong
1-866-927-6826

Net Contents
Gallons
TBA

Summary of Comments on [Directions for use booklet]

Page: 1

Author: tharri02 Subject: Rectangle Date: 11/3/2011 3:20:52 PM
overall comments:

a) Be careful with the word "general"; do not use it in most headings. Our lawyers say this implies advisory not mandatory text.

b) When you have a sentence with a list of items please put a comma before "and" preceeding last item (eg. a, b, and c). Technically, this is grammatically ok to leave out but it is one of my pet peeves. I've noted where to add comma in a few places where I think it is especially necessary for clarity of PHIs.

Page: 6

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:18:59 PM
DELETE due to problem w/ "general"

Also, check that this TOC matches order of sections below.

Table of Contents **Page**

80

system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH5-7).

Injection Into Overhead Sprinkler Chemigation Systems: Inject the proper amount of the ROTAM METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Operation: Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. Apply ROTAM METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

Nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices must be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System: Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Drip Chemigation

Types of Drip Irrigation Systems

~~METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb onions.~~ The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this main product label.

Page: 12

Author: tharri02 Subject: Rectangle Date: 11/3/2011 3:01:48 PM
INSERT intro paragraph as done w/ overhead. Suggested:

"**Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE on green and dry bulb onions Using Drip Chemigation**
Drip chemigation is allowed for use in green and dry bulb onions. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label. "

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 2:58:40 PM
DELETE here. Move above (see note).

manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

Cleaning the System: Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

~~General Chemigation Use Directions~~

Page: 14

Author: tharri02 Subject: Replacement Text Date: 11/3/2011 2:57:49 PM
REPLACE header due to problem w/ "general" and for clarity. Suggestion:

"Additional chemigation directions (both overhead and drip)"

Uniform Water Distribution

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment Calibration

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

Restricted Use Pesticide

Due to High Acute Toxicity to Humans.

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

Supplemental Labeling

Green and Dry Bulb Onions

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON GREEN AND DRY BULB ONIONS VIA DRIP IRRIGATION IN THE STATES OF IDAHO, NEVADA, OREGON, UTAH, AND WASHINGTON

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

~~General Information~~
~~METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.~~

Application Information, Rates and Timing
ROTAM METHOMYL 29LV INSECTICIDE controls thrips in green and dry bulb onions at the rate of 3 pints of product per acre of plant bed applied through drip irrigation systems.

Manufactured by:
Rotam Agrochemical Company Ltd.
7F, Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Page: 50

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:04:48 PM
DELETE paragraph.

Problem due to "general" and "foliar". Paragraph not really needed. If you want to keep then at least delete header "general information."

Page: 51

Author: tharri02 Subject: Replacement Text Date: 11/3/2011 3:10:26 PM
REPLACE with heading (based on overhead chemigation suppl):

"Instructions for use of Rotam Methomyl 29LV Insecticide in drip irrigation systems."

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:11:19 PM
DELETE due to problem w/ "general". Header not needed.

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:19:59 PM
DELETE due to problem w/ "general". not needed

Application Information, Rates and Timing (continued)
The rate of METHOMYL 29LV INSECTICIDE is listed as a broadcast rate. For drip irrigation rates of METHOMYL 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Acidify the injection solution containing METHOMYL 29 LV INSECTICIDE to a pH of 5 or less. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory control with any insecticide program.

Make sequential applications at 7 to 10 day intervals. Consider use of products with an alternate mode of action as part of your thrips control program. Do not apply more than 12 pints (2.6 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to dry bulb onions. Do not apply more than 18 pints (5.4 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to green onions. Make the last application of METHOMYL 29LV INSECTICIDE at least 7 days before harvest.

Instructions for the Use of METHOMYL 29LV INSECTICIDE in Drip Chemigation

Bed Spacing	Linear Ft. of Bed to Equal One Acre	METHOMYL 29LV INSECTICIDE pt./A rate per 1000 Row Feet
36 inches	14,520 ft.	3.3 fl. oz.
48 inches	10,890 ft.	4.4 fl. oz.
60 inches	8,712 ft.	5.5 fl. oz.
72 inches	7,260 ft.	6.6 fl. Oz

~~**Chemigation Systems**~~

Types of Irrigation Systems
METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb onions. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in supplemental, SLN or the main product label.

~~**General Directions for Drip Chemigation**~~

~~**General**~~ **Drip Guidance**

1. Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planting. The goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches deep.
2. Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of METHOMYL 29LV INSECTICIDE comes out of each emitter.
3. Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
4. The minimum injection time that will result in uniform distribution of METHOMYL 29LV INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

Supplemental Labeling

Succulent Peas
Succulent Beans
Dry Beans

ROTAM METHOMYL 29LV INSECTICIDE
EPA Reg. No. 83100-27

FOR USE ON DRY AND SUCCULENT BEANS AND SUCCULENT PEAS VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

~~General Information~~
~~METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.~~

Application Information, Rates and Timing
ROTAM METHOMYL 29LV INSECTICIDE controls beet armyworm, yellowstriped armyworm, western yellowstriped armyworm, saltmarsh caterpillar, aphids, variegated cutworm and loopers in succulent and dry beans and armyworm, beet armyworm, loopers, pea aphid, saltmarsh caterpillar, variegated cutworm, alfalfa caterpillar~~ and green cutworm~~ in succulent peas at the rate of 3 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F/ Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Page: 55

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:07:56 PM
DELETE paragraph.

Problem due to "general" and "foliar". Paragraph not really needed. If you want to keep then at least delete header "general information."

Author: tharri02 Subject: Replacement Text Date: 11/3/2011 3:14:42 PM
REPLACE with:

"alfalfa looper, cabbage looper"

Author: tharri02 Subject: Replacement Text Date: 11/3/2011 3:15:09 PM
INSERT comma:

", and"

Author: tharri02 Subject: Replacement Text Date: 11/3/2011 3:14:07 PM
REPLACE with:

"green cloverworm"

or change main label to match green cutworm

Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) METHOMYL 29LV INSECTICIDE per acre per crop to dry and succulent beans. Do not apply more than 9 pints (2.7 lbs a.i.) of METHOMYL 29LV INSECTICIDE per acre per crop to succulent peas.

Observe the following pre-harvest intervals following the last application of METHOMYL 29LV INSECTICIDE: Succulent beans and bean vines - 3 days, succulent bean hay - 7 days; Dry beans, dry bean vines and hay - 14 days to cutting after the last application; Succulent peas - 1 day, succulent pea forage - 5 days and succulent pea hay 14 days.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems
METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of the listed insects in dry and succulent beans and in succulent peas. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

~~General Directions for Chemigation~~

Preparation
A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems
Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Page: 56

Author: tharri02 Subject: Replacement Text Date: 11/3/2011 3:15:31 PM
INSERT comma:

", and"

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:11:35 PM
DELETE due to problem w/ "general". Header not needed.

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

Supplemental Labeling Sweet Corn

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON SWEET CORN VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF COLORADO AND NEW MEXICO

This Supplemental Labeling expires on [3 years from date of acceptance stamp on full label] and must not be distributed or used after that date.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

General Information
~~METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.~~

Application Information, Rates and Timing
ROTAM METHOMYL 29LV INSECTICIDE controls armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn at the rate of 1 1/2 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.
Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to sweet corn. Make the last application of METHOMYL 29LV INSECTICIDE at least 0 days for ears, 3 days for forage ~~or~~ 21 days for stover before harvest.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F/ Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Page: 59

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:08:15 PM
DELETE paragraph.

Problem due to "general" and "foliar". Paragraph not really needed. If you want to keep then at least delete header "general information."

Author: tharri02 Subject: Replacement Text Date: 11/3/2011 3:16:30 PM
INSERT comma:

", or"

or/and? your choice

Page: 60

Author: tharri02 Subject: Cross-Out Date: 11/3/2011 3:11:59 PM
DELETE due to problem w/ "general". Header not needed.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems
METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

General Directions for Chemigation

Preparation
A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection into Chemigation Systems
Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Revised Rotam Methomyl 29LV Insecticide (83100-27) Revised label
Frank Sobotka to: Thomas Harris 11/03/2011 01:04 PM

History: This message has been replied to.

Tom, per our conversation and your email I have revised the above subject label making all of the changes you listed. I am sending two files one is a regular .pdf doc and the second is a highlighted .pdf version of the changes made to the label. I am choosing to attached the three Supplemental labels to the master label for stamping.

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

083100-0027.20111103.HL Primary Lbl.pdf 083100-0027.20111103.Primary Lbl.pdf

Re: 83100-27
Thomas Harris to: Frank Sobotka 10/31/2011 06:04 PM

Dr. Sobotka,

Sorry for the delay. I actually had this ready to go a month ago but it got sent back to me for more changes. I'm afraid you've gotten caught in the crossfire of a new policy we've been implementing regarding supplemental labeling. It's actually nothing new but we've sometimes been inconsistent in applying the rules which has caused problems for the states. I had been trying to work out a compromise to deal implementation of this policy with me-too registrant such as yourself during transition to this new approach.

OPP is now agreeing to supplemental labels on two conditions: a) the supplemental itself states an expiration date of 3 years from date of stamping and b) the directions on the supplemental are included in the full label which gets stamped at the same time as the supplemental. My preference would be to impose these requirements first on the main registrant so as to then give the me-too registrants something to copy. However, this could delay implementation.

We just discussed the situation on the phone. You said that you are perfectly willing to do the hard part of incorporating the directions on the supplementals into the main labeling. That will solve the problem and I can get you stamp labels quickly. To that end, please make the following revisions to the label and email me back a revised .pdf:

1) Incorporate the directions on the supplementals into the main label. For example, incorporate the sweet corn supplemental chemigation directions into the sweet corn row in the rate table of the main label. Important: be sure to maintain the state restrictions, i.e. sweet corn chemigation limited to CO, NM.

2) Revise the current "chemigation" paragraph beginning at bottom of page 7. You can still include a generic reference to SLN or supplemental labeling but you no longer need the reference to specific onion, bean, sweet corn directions since those are now in the full label itself. Yes, I know, this is basically the way you had it before I told you to change it to match Dupont in my 8/4/11 email. I was going for a more literal match to Dupont's label at that time. We're now trying to leapfrog ahead of them by working all the supplementals into the full label.

3) If you wish to keep the three supplemental labels to aid during a transition period to the new labels, then include them at the back of the full label but make the following changes:

a) Move the Restricted Use Pesticide box to be the very first thing at the top of the Supplemental label.
b) Add the following expiration text where the RUP box is currently (i.e. after initial identification info): "This Supplement Labeling expires on [insert 3 years from date of acceptance stamp on full label] and must not be distributed or used after that date."

Give me a call if you have any questions.

Tom Harris
EPA/OCSPP/OPP/RD/IRB
voice: (703) 308-9423
fax: (703) 308-0029
harris.thomas@epa.gov
visit http://www.epa.gov/pesticides

Frank Sobotka | Tom, when can I expect to receive the Final Sta... | 10/31/2011 12:21:23 PM

From: Frank Sobotka [redacted]
To: Thomas Harris/DC/USEPA/US@EPA
Date: 10/31/2011 12:21 PM
Subject: 83100-27 Final Stamped label

Personal privacy information

Tom, when can I expect to receive the Final Stamped label for 83100-27. Some months back you requested we attach the 3 supplementals into one Master Label. We did and submitted back to you for

stamping?

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

[Front Container Label – Optional if Booklet is used as front container label]

RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP 1A INSECTICIDE

Rotam Methomyl 29LV Insecticide

Water Soluble Liquid
Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	*By Weight*
Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	100%

Contains Methonol

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27 EPA Est. No.: 5905-GA-01

KEEP OUT OF REACH OF CHILDREN
DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional Precautionary Statements on inside booklet and back panel of container and Directions for Use on inside booklet.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong
1-866-927-6826

Net Contents
Gallons
TBA

083100-0027.20110808.Primary Lbl + Supl.pdf

[Booklet Cover]

PULL HERE TO OPEN▶

RESTRICTED USE PESTICIDE

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Water Soluble Liquid
Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	*By Weight*
Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	100%

Contains Methanol

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27 EPA Est. No.: 5905-GA-01

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F Cheung Tat Centre
18 Cheung Lee Street
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Net Contents
Gallons
TBA

Refer to inside for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions for Use

FIRST AID
(N-Methyl Carbamate insecticide)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

ATROPINE IS AN ANTIDOTE --SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.

POISONING SYMPTOMS — Methomyl poisoning produces affects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

TREATMENT — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg, intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to ROTAM METHOMYL 29LV alone. However, for exposure to combinations of ROTAM METHOMY L29LV and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN
DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol. Methanol may cause blindness. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
- Socks and chemical resistant footwear.
- Protective eyewear.
- Chemical resistant apron.
- Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any R, P, or HE prefilter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROL STATEMENTS

Human flaggers must be in enclosed cabs.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must not assist in the mixing and loading operations.

USER SAFETY RECOMMENDATIONS
USERS SHOULD:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove personal protective equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.
- Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.
This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

PHYSICAL AND CHEMICAL HAZARDS
Combustible. Do not use or store near heat or open flame. Keep container closed. Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

Table of Contents **Page**

DIRECTIONS FOR USE
Restricted Use Pesticide

It is a violation of federal law to use this product in a manner inconsistent with its labeling.
Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.
Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WPS uses = 48 hour REI.
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
Coveralls.
Chemical-resistant gloves, such as barrier laminate or butyl rubber.
Shoes plus socks.
Protective eyewear.
Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Do not formulate this product into other end-use products without written permission from Rotam.

ROTAM METHOMYL 29LV insecticide should be used only in accordance with directions for use on this label or in separate Rotam supplemental labeling. Rotam will not be responsible for use of the product in a manner not specified by Rotam in the product's labeling and User assumes all risk for such use.

ROTAM METHOMYL 29LV is a water soluble liquid that is applied by foliar application to control many important insect pests. ROTAM METHOMYL 29LV is mixed with water for application.

Chemigation: Overhead sprinkler chemigation is allowed for use in alfalfa, barley, succulent and dry beans, oats, onions, succulent peas, potatoes, rye, sugar beets, sweet corn and wheat. Drip chemigation is allowed for onions. See Federal Supplemental labeling for overhead sprinkler chemigation directions for

use in sweet corn, succulent peas, and succulent dry beans; and for directions for use for drip chemigation in onions. Refer to supplemental, or Special Local Need (SLN) labeling or the crop specific sections of this label for use directions for chemigation. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN or this product label.

Pilots must not assist in the mixing and loading operations.

Do not apply by ground equipment within 25 feet, or by air within 100 feet of lakes, reservoirs, rivers, estuaries, commercial fish ponds and natural, permanent streams, marshes or natural, permanent ponds. Increase the buffer zone to 450 feet from the above aquatic areas when ultra low volume application is made.

Hand-held equipment is prohibited for applications to crops. This product must be applied to crops only with mechanical ground, overhead sprinkler chemigation or aerial application equipment.

Use only in commercial and farm plantings. Not for use in home plantings. Not for use during any period after a commercial crop site is opened for public entry as a "U-Pick", "Pick Your Own" or similar operation; in no case shall preharvest applications be made after first public entry. The restricted entry interval and preharvest interval for the crop stated elsewhere on this label must be followed.

RESISTANCE MANAGEMENT
For resistance management, ROTAM METHOMYL 29LV insecticide is a group 1A insecticide. Repeated and exclusive use of ROTAM METHOMYL 29LV or other group 1A insecticides may lead to the build-up of resistant strains of insects in some crops. Not all members of this group have been shown to be cross-resistant. Different resistance mechanisms that are not linked to target site of action, such as enhanced metabolism, are common for this group of chemicals. Alternation of compounds from different sub-groups within this group may be an acceptable part of an integrated pest management program.

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below the economic threshold. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at http://www.irac-online.org.

INTEGRATED PEST MANAGEMENT
This product should be used as part of an Integrated Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

SCOUTING
Monitor insect populations to determine whether or not there is a need for application of ROTAM METHOMYL 29LV based on locally determined economic thresholds. More than one treatment of ROTAM METHOMYL 29LV may be required to control a population of pests.

BENEFICIAL ARTHROPODS
ROTAM METHOMYL 29LV at rates of 2/5 to 3/4 pint per acre helps conserve certain beneficials, including big-eyed bugs, damsel bugs, flower bugs and spiders in cotton and soybeans. While these beneficials cannot be relied upon to control pests, they are of potential value and should be monitored along with pests in pest management programs on these crops.

SPRAY PREPARATION
Spray equipment must be clean and free of previous pesticide deposits before applying ROTAM METHOMYL 29LV.
Fill spray tank 1/4 to 1/2 full of water. Add ROTAM METHOMYL 29LV directly to spray tank. Mix thoroughly. Use mechanical or hydraulic means; do not use air agitation. Spray mix should not be stored overnight in spray tank.

Compatibility — Since formulations may be changed and new ones introduced, in this situation users can premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.) before applying the product. Avoid mixtures of several materials and very concentrated spray mixtures.

Do not use ROTAM METHOMYL 29LV with Bordeaux mixture (copper sulfate and hydrated lime), Du Ter triphenyltin hydroxide, lime sulfur, Rayplex iron nor in highly alkaline solutions. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

Tank Mix Sequence – Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product.

1. Water soluble bags.
2. Water dispersible granules.
3. Wettable powders.
4. Water based suspension concentrates.
5. ROTAM METHOMYL 29LV and other water soluble concentrates.
6. Oil based suspension concentrates.
7. Emulsifiable concentrates.
8. Adjuvants, surfactants, oils, soluble fertilizers, and drift retardants. Follow

local practice and manufacturer's recommendation.

APPLICATION
Apply at the recommended rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

Follow-up treatments of ROTAM METHOMYL 29LV should be applied, as needed, to keep pest populations within threshold limits. On most crops, ROTAM METHOMYL 29LV should be applied at 5 to 7 day intervals to maintain control. Refer to crop specific directions for use in the crop tables for more specific information on treatment intervals.

Use sufficient water to obtain thorough, uniform coverage. Since ROTAM METHOMYL 29LV is a fast acting contact insecticide, best results follow direct spraying of the target insect.

For aerial, use a minimum of 2 gals. per acre (gpa) except 10 gpa for peaches and nectarines; 15 gpa for oranges, lemons, grapefruit, tangelos and tangerines.

ROTAM METHOMYL 29LV is recommended for use as a low volume aerial spray 0.53 gpa (2L) for cotton* and soybeans* and 1 gpe for the crops listed below providing the following conditions are met:

- equipment is adjusted to distribute spray uniformly over the spray swath,
- wind conditions and other factors such as temperature and humidity are such
- that the spray is delivered to the target area,
- local regulations do not prohibit low-volume aerial sprays.
- use rates are applied as directed on the package label or supplemental labeling for the following crops:

Alfalfa	Celery	Peas (succulent)
Anise	Collards	Peppermint
Asparagus	Corn	Peppers
Barley	Cotton	Potato
Beans	Cucumber	Rye
Broccoli	Lettuce	Soybean
Brussels sprouts	Melons	Spinach
Cabbage	Mint	Sugar beet
Carrot	Oats	Summer Squash
Cauliflower	Peanuts	Wheat

Apply the low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

* Not Registered for aerial application in a diluted volume of less than 1 gal in CA.

SPRAY TANK CLEANOUT
Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

CHEMIGATION
Instructions for the Use of ROTAM METHOMYL 29LV on Alfalfa, Barley, Dry Beans, Oats, Green and Dry Bulb Onions, Potatoes, Rye, Succulent Beans, Succulent Peas, Sugar Beets, Sweet Corn, and Wheat Using Overhead Sprinkler Chemigation

Do not apply thru Drip Chemigation unless accompanied by Rotam Supplemental Labeling.

Chemigation: Overhead sprinkler chemigation is allowed for use in alfalfa, barley, succulent and dry beans, oats, onions, succulent peas, potatoes, rye, sugar beets, sweet corn and wheat. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in supplemental labeling.

Overhead chemigation applications offer the advantage of greater penetration and coverage of the target plant. However, typical chemigation applications are more dilute than ground or aerial applications. For best results, it is recommended to keep the concentration of ROTAM METHOMYL 29LV as high as possible in the application. Apply ROTAM METHOMYL 29LV in 0.1 to 0.2 inches of water per acre.

ROTAM METHOMYL 29LV is most active as a contact insecticide, although it does also have activity via ingestion of treated plants. For best results, applications of ROTAM METHOMYL 29LV should take place when the insects are active and most likely to come into direct contact with the application.

Types of Irrigation Systems:
ROTAM METHOMYL 29LV may be applied through overhead sprinkler irrigation systems for control of various pests. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply ROTAM METHOMYL 29LV through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN, or this product label.

General Directions for Chemigation:
Preparation
A pesticide tank is recommended for the application of ROTAM METHOMYL 29LV in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of ROTAM METHOMYL 29LV into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of ROTAM METHOMYL 29LV. Once in solution, no further agitation is required. Injection

solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH5-7).

Injection into Chemigation Systems
Inject the proper amount of the ROTAM METHOMYL 29LV solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of ROTAM METHOMYL 29LV must provide for uniform distribution of ROTAM METHOMYL 29LV treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other experts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying ROTAM METHOMYL 29LV. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when ROTAM METHOMYL 29LV is in the irrigation water.

Required System Safety Devices
Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut

off the pesticide injection pump when the water pump motor stops.

5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated
Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, daycare centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER".

Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation
Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. Apply ROTAM METHOMYL 29LV in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End guns must be turned

off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

Nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices must be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

SPRAY DRIFT MANAGEMENT
Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.
The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.
The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

AERIAL DRIFT REDUCTION ADVISORY INFORMATION
Importance of Droplet Size
The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See **Wind, Temperature and Humidity,** and **Temperature Inversions** sections of this label.

Controlling Droplet Size - General Techniques
- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A

HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Controlling Droplet Size – Aircraft
- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types and the lowest drift.
- **Boom Length** - For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application Height** - Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- **Swath Adjustment** - When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downward edges of the fields, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

BOOM HEIGHT
Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

WIND
Drift potential is lowest between wind speeds of 3-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 3 mph due to variable wind direction and high inversion potential. AVOID GUSTY OR WINDLESS CONDITIONS.
Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY
When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS
Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. This cloud can move in unpredictable directions due to the

light variable winds common during inversions. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

SENSITIVE AREAS
The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

SHIELDED SPRAYERS
Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS
Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.
Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

AIR ASSISTED (AIR BLAST) TREE AND VINE SPRAYERS
Air assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream. These sprayers are not suitable for applying herbicides. In addition to the general drift management principles already described, the following specific practices will further reduce the potential for drift..

Adjust deflectors and aiming devices so that spray is only directed into the canopy.
Block off upward pointed nozzles when there is no overhanging canopy.
Use only enough air volume to penetrate the canopy and provide good coverage.
Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Alfalfa	Pea Aphid Lygus Bugs Blotch Leafminer Aphids Egyptian Alfalfa Weevil Larvae Loopers Beet Armyworm Armyworm Alfalfa Caterpillar Fall Armyworm Western Yellowstriped Armyworm Yellowstriped Armyworm	1 1/2 – 3	7 *	48 hrs
	Alfalfa Weevil Larvae	3		
	Variegated Cutworm	3/4 - 3		
	Do not apply to dormant or semi-dormant alfalfa when minimum. daily temp. is 50° F. or lower. Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop. Chemigation: ROTAM METHOMYL 29LV may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Do not apply within 7 days of cutting or allowing livestock to graze.			
Anise (Fennel)	Cabbage Looper	3	7	48 hrs
	Beet Armyworm	1 1/2 - 3		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Apple Ground application only	Apple Aphid Rosy Apple Aphid Tufted Apple Budmoth Green Fruitworm Tarnished Plant Bug	1 1/2 - 3 *	14	72 hrs
	Codling Moth (10-12 day spray intervals)			
	Leafrollers (Fruit-tree, Obliquebanded, Redbanded, Variegated) Lesser Appleworm White Apple Leafhopper Tentiform Leafminer Cutworm	3 *		
	Do not use on Early Macintosh & Wealthy varieties Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 5 applications per crop; minimum interval between treatments is 7 days. * Apply in a minimum of 50 gallons of water per acre.			
Asparagus	Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm Redbacked Cutworm	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop.			
Avocado	Western Avocado Leafroller	1 1/2 - 3	1	48 hrs

	Omnivorous Looper			
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 2 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Barley	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop. Chemigation: ROTAM METHOMYL 29LV may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: ROTAM METHOMYL 29LV can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when the aphid population is low (<10 adults per stem).			
Beans (Succulent) Including: Kidney Lima Mung Navy Pinto Snap	Leafhopper Mexican Bean Beetle	3/4 – 3	Succulent Beans - 3/4 - 1 1/2 pts. -- 1, over 1 1/2 pts. -- 3; 3 - Vines 7 - Hay	48 hrs
	Fall Armyworm Variegated Cutworm	1 1/2		

Wax Broad Fava Asparagus Blackeyed peas Cowpeas Chick peas Garbanzo beans Sweet lupine White sweet lupine White lupine Grain lupine	Beet Armyworm Corn Earworm Saltmarsh Caterpillar Yellowstriped Armyworm Western Yellowstriped Armyworm Lygus Bugs Thrips Aphids Loopers*	1 1/2 - 3		
	European Corn Borer (Ovicide & Larvicide)– Initiate when moth flights first appear and continue preventive treatments at 3-4 day intervals To control eggs and larvae			
	Spotted Cucumber Beetle	3/4 – 1 1/2		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop. * Do not use for Loopers in AL & GA.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Beans (Dry) (Same as Succulent Beans)	(Same as Succulent Beans)	(Same as Succulent Beans)	14 - Dry Beans * 14 - Vines * 14 - Hay *	48 hrs
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV/acre /crop. Do not make more than 10 applications per crop. Do not use for Loopers in AL & GA. *Do not apply within 14 days of cutting.			
Beets (Table)	Imported Cabbageworm	3/4 – 3	0 - roots 10 -tops	48 hrs
	Beet Armyworm Cabbage Looper Diamondback Moth	1 1/2 - 3		
	Cucumber Beetle Variegated Cutworm	1 1/2		
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop.			
Bermudagrass pasture	Fall Armyworm Armyworm Striped Grass Looper	3/4 - 3	7 - Forage * 3 - Dehydrated Hay **	48 hrs
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop. * Do not apply within 7 days of feeding forage or allowing livestock to graze. ** Do not apply within 3 days of cutting for hay.			
Blueberries	Blueberry Leafhopper Aphids Tussock Moth Weevil Sharp-Nosed Leafhopper	1 1/2	3	48 hrs

	Cranberry Fruitworm* Cherry Fruitworm*	1 1/2 – 3		
	Flea Beetle (larvae) Sawfly (larvae) Blueberry Leafroller	3		
	Blueberry Maggot	3/4–1 1/2		
	Do not apply during bloom. Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop. * For ground use only.			
Broccoli	Loopers Diamondback Moth	1 1/2 - 3**	3	48 hrs
	Imported Cabbageworm	3/4 - 3**		
	Do not apply more than 21 pints of ROTAM METHOMYL29LV/acre/crop Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Brussels Sprouts	Loopers Imported Cabbageworm Diamondback Moth	1 1/2 – 3 **	3	48 hrs
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			
Cabbage	Loopers * Diamondback Moth Fall Armyworm	1 1/2 - 3 **	1	48 hrs
	Imported Cabbageworm	3/4 - 3 **		
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 15 applications per crop; minimum interval between treatments is 2 days. * Do not use for Loopers in AL & GA. ** Add a wetting agent to improve coverage.			
Carrot	Beet Armyworm Armyworms Aster Leafhopper	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	3/4 – 1 1/2		
	Do not apply more than 21 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop.			
Cauliflower	Imported Cabbageworm	3/4 – 3 **	3	48 hrs
	Loopers Diamondback Moth	1 1/2 – 3 **		

	Variegated Cutworm	1 1/2 **		
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			
Celery	Beet Armyworm Aster Leafhopper	1 1/2 – 3	7	48 hrs
	Loopers	3		
	Variegated Cutworm	1 1/2		
	Armyworms	3/4 - 3		
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop.			
Chicory	Beet Armyworm Variegated Cutworm Leafhoppers	1 1/2 - 3	80	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 2 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Chinese Cabbage	Loopers Beet Armyworm	1 1/2 - 3*	10	48 hrs
	Do not apply more than 24 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop. * Minimum of 25 gallons water per acre by ground or 5 gallons by air.			
Collards (Fresh market only)	Diamondback Moth Variegated Cutworm	1 1/2	10	48 hrs
	Imported Cabbageworm Beet Armyworm Loopers*	1 1/2 - 3		
	Do not apply when temp. is less than 50° F. Do not apply when crop is less than 10" tall. Do not apply more than 18 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop. * Do not use for Loopers in AL & GA.			
Corn (Field, Popcorn & Seed)	Earworm – (Ovicide/Larvicide) Armyworm Fall Armyworm European Corn Borer Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids	3/4 – 1 1/2	21 - Ears 3 - Forage* 21 - Stover*	48 hrs
	Variegated Cutworm, Beet Armyworm	1 1/2		
	Do not apply more than 7.5 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop.			

	*Corn forage is green actively growing plants that are harvested with the ears intact. The plants can be fed directly to animals or used to make silage. Corn stover are the parts of the plant that remain after removal of the grain at full plant maturity. These remaining stalks and leaves can be fed as roughage to animals.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Corn (Sweet)	Earworm--Whorl as needed	1 – 1 1/2	0 -Ears 3 - Forage 21 - Stover	48 hrs
	Fall Armyworm Armyworm Earworm, (Ovicide/Larvicide) European Corn Borer -Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids	3/4 – 1 1/2		
	Variegated Cutworm Beet Armyworm	1 1/2		

	Certain hybrid varieties of sweet corn are susceptible to methomyl injury. Treat a small area to determine crop safety before full scale spraying. Do not apply more than 21 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 28 applications per crop; minimum interval between treatments is 1 day.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Cotton – All US	**Ovicide/Larvicide -** Bollworm Tobacco Budworm (Initiate schedule when significant numbers of eggs are present Continue at 3 to 5-day intervals while eggs are present and larval control is adequate. If significant larvae survive, use higher rates below.) Lygus Bugs/Plant Bugs (adults and nymphs) Start treatment on low level population for suppression.	2/5 - 3/4 (see Insect Predator Section)	15	72 hrs
	Cotton Leafworm	3/4 – 1 1/2		

	Cotton Fleahopper (as needed)	2/5 – 3/4		
	Aphids, Thrips	3/4		
East of Rockies only	**(Early Season)** Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/PlantBugs (adults and nymphs) Use as occasional spray in regular schedule but not more often than every 10 days.	1 1/2		
	(Late Season) Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/Plant Bugs (adult and nymphs) Up to 3 applications at 3-5 day intervals after desired boll load set on plants.	1 1/2 – 2 1/4		
Texas	Cotton Aphid	3/4 – 2		
West of Rockies only	**Larvicide for worms:** Bollworm Fall Armyworm Tobacco Budworm Lygus Bugs Beet Armyworm	1 1/2 – 2 1/4		
	Cotton Leafperforator	1 – 2 1/4		
	For applications West of the Rockies, make applications on 3-5 day intervals after desired boll load set on plants. **For all applications made to cotton in the United States:** Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop. Do not graze or feed. Use may redden cotton. If excessive, stop or alternate with other insecticides.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Cucumber	Loopers Tobacco Budworm	1 1/2 - 3	1 1/2 pt. – 1 Over 1 1/2 pt.- 3	48 hrs

	Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm			
	Variegated Cutworm	1 1/2		
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 12 applications /crop.			
Eggplant	Green Peach Aphid	3/4 – 3	5	48 hrs
	Tomato Pinworm (Ground Application Only) Beet Armyworm Corn Earworm	1 1/2 - 3		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop.			
Endive, Escarole	Beet Armyworm	1 1/2 - 3	10	48 hrs
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop.			
Garlic	Beet Armyworm	1 1/2**	7	48 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 6 applications per crop. ** Add a wetting agent to improve coverage.			
Grapefruit CA, AZ & HI only	Thrips Fruitree Leafroller Orange Tortrix Western Tussock Moth Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop.			
Horseradish (Ground application Only)	Aphids Thrips	1 1/2	65	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Leafy Green	Beet Armyworm	1 1/2 - 3	10	48 hrs

Vegetables: Beet (tops) Dandelions, Kale, Mustard Greens, Parsley, Swiss Chard, Turnip Greens	Cabbage Looper* Diamondback Moth Imported Cabbageworm			
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop. * Do not use for Cabbage Loopers in AL & GA.			
Lemon CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop.			
Lentils	Western Yellowstriped Armyworm	1 1/2 - 3	21	48 hrs
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 2 applications per crop.			
Lettuce (Head and Leaf varieties)	Alfalfa Looper	3/4 - 3	3/4-1 1/2 pt. – 7 over 1 1/2 pts. – 10	48 hrs
	Thrips Aphids Beet Armyworm Cabbage Looper Corn Earworm Aster Leafhopper	1 1/2 - 3		
	Variegated Cutworm	1 1/2		
	Lettuce (head varieties) Do not apply more than 24 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 15 applications per crop; minimum interval between treatments is 2 days. **Lettuce (leaf varieties)** Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop; minimum interval between treatments is 2 days.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Melons	Loopers	1 1/2 - 3	1 1/2 pts. – 1 day	48 hrs

Including: Canteloupe Casaba Santa Claus melon Crenshaw melon Honeydew melon Honey balls Persian melon Golden Pershaw melon Mango melon Pineapple melon Snake melon Watermelon	Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm		over 1 1/2 pts. -- 3 days	
	Variegated Cutworm	1 1/2		
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 12 applications per crop.			
Mint (Peppermint, Spearmint)	Variegated Cutworm Alfalfa Looper	3	14	48 hrs
	Flea Beetles	2 1/4 - 3		
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop.			
Nectarine CA & AZ only	Thrips	1 1/2 – 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 3 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI

Oats	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop. Chemigation: ROTAM METHOMYL 29LV may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: ROTAM METHOMYL 29LV can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			
Onions (Green & Dry Bulb)	Beet Armyworm	1 1/2 - 3**	7 - Green & Dry Bulb Onions	48 hrs
	Thrips* Variegated Cutworm Black Cutworm	3**		
	Onions, green Do not apply more than 18 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop; minimum interval between treatments is 5 days. **Onions, dry bulb** Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop; minimum treatment interval between treatments is 5 days. *Chemigation: ROTAM METHOMYL 29LV may be applied by overhead sprinkler chemigation to control thrips. Begin applications before thrips populations reach 3-5 thrips per plant. For best results, use the highest rate of ROTAM METHOMYL 29LV and a wetting agent. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. ** Add a wetting agent to improve coverage.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI

Oranges CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Fruittree Leafroller Beet Armyworm Citrus Cutworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop.			
Peaches	Catfacing Insects (Plant Bugs and Stink Bugs) - begin at petal fall and continue in cover sprays at 7 to 10-day intervals	3 pt (or 3/4 pt per 100 gal up to 400 gal per acre)	4	4 days
	Oriental Fruit Moth* -begin at petal fall; use trapping devices and frequent field inspection to determine need for treatment. Continue treatment in cover sprays and alternate with residual-type insecticides registered for this use. Green Peach Aphid			
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 6 applications per crop. * Oriental Fruit Moth (Ground Application Only).			
Peanuts	Corn Earworm* Potato Leafhopper Fall Armyworm	3/4 – 3	21	48 hrs
	Beet Armyworm	1 1/4 - 3		
	Green Cloverworm Velvetbean Caterpillar Cabbage Looper Soybean Looper ** Thrips Granulate Cutworm	1 1/2 – 3		
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop. Do not feed treated vines. * ROTAM METHOMYL 29LV has ovicidal and larvicidal control on corn earworm. **Soybean Looper is difficult to control. Do not apply to worms greater than 1/2" long. Use higher rate for severe infestations.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Pears Northeast only	Green Fruitworm Oblique banded Leafroller	1 1/2 - 3*	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 2 applications per crop. * Apply in a minimum of 50 gallons of water per acre.			
Peas (succulent) Including: Pigeon peas Chick peas Garbanzo beans Dwarf peas Garden peas Green peas English Peas Field peas Edible pod peas	Alfalfa Looper Cabbage Looper* Pea Aphid Beet Armyworm Saltmarsh Caterpillar Variegated Cutworm	1 1/2 - 3	1 - Peas 5 – Foraos 14 - Hay	48 hrs
	Alfalfa Caterpillar Armyworm Green Cloverworm	3/4 - 3		
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop . Do not make more than 6 applications per crop; minimum interval between treatments is 3 days. * Do not use for Cabbage Loopers in AL & GA.			
Pecans Southeast only	Aphids	1 1/2 - 3	30	48 hrs
	Do not apply more than 21 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 7 applications per crop.			
Peppers Including: Bell Hot Pimentos Sweet	Loopers Beet Armyworm Green Peach Aphid Armyworm Fall Armyworm	1 1/2 – 3	3	48 hrs
	Variegated Cutworm	3/4 – 1 1/2		
	European Corn Borer	3		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop.			
Pomegranates	Omnivorous Leafroller	3	14	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 2 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Potato	Tuberworm* Loopers Aphids Beet Armyworm Leafhoppers Fall Armyworm	1 1/2 – 3	6	48 hrs
	Variegated Cutworm Flea Beetles	1 1/2		
	Do not apply more than 15 pints of ROTAM METHOMYL2 9LV per acre per crop. Do not make more than 10 applications per crop. Chemigation - ROTAM METHOMYL 29LVmay be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Repeat applications of ROTAM METHOMYL 29LV on a 5-7 day schedule, or longer as needed, to control tuber worm populations. An application schedule of effective insecticides with different modes of action may be needed to keep foliar feeding larval populations as low as possible prior to harvest to reduce the risk of larval damage to the tubers. Failure to adequately control tuberworm larvae prior to crop senescence or vine kill increases the risk of tuber damage.			
Rye	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop. Chemigation - ROTAM METHOMYL 29LV may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: ROTAM METHOMYL 29LV can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Sorghum Including: Sudangrass (except Sweet Sorghum)	Sorghum Webworm	1 1/2*	14**	48 hrs
	Sorghum Midge --Apply when 50% bloom and 3-5 days later if needed. Fall Armyworm (Budworm) Beet Armyworm Corn Earworm Armyworm	3/4 – 1 1/2*		
	Do not apply more than 3 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 2 applications per crop. * Minimum of 10 gallons per acre by ground or 2 gallons per acre by air. ** Do not apply within 14 days of feeding forage or cutting for hay.			
Soybeans	Green Cloverworm Velvetbean Caterpillar Mexican Bean Beetle Corn Earworm - **Light to moderate Infestations**	2/5 - 3/4 (see Insect Predator section)	14 - Soybeans 3 - Forage 12 - Hay	48 hrs
	Corn Earworm - **Moderate to severe infestations**	3/4 – 1 1/2		
	Soybean Aphid	1/2 – 1		
	Beet Armyworm Salt Marsh Caterpillar Bean Leaf Beetle Fall Armyworm Thrips Silver Spotted Skipper - **Light to moderate Infestations**	3/4 – 1		
	Silver Spotted Skipper - **Moderate to severe Infestations**	1 – 1 1/2		
	Do not apply more than 4.5 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 3 applications per crop.			
Spinach	Alfalfa Looper Cabbage Looper Beet Armyworm Fall Armyworm	1 1/2 - 3	7	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply when minimum daily temp. is 32° F, or lower. Do not apply to seedlings less than 3" diameter. Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 8 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Sugar Beet	Beet Webworm Flea Beetles Carrion Beetles Beet Armyworm* Aphids* Western Yellowstripe Armyworm*	3/4 - 3	30 - Tops 21- Roots	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 10 applications per crop. *Chemigation - ROTAM METHOMYL 29LV may be applied by overhead sprinkler chemigation to control beet armyworm, aphids and western yellowstriped armyworm. For best results, use the highest listed rate of ROTAM METHOMYL 29LV. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.			
Summer Squash* Including: Crookneck squash Straightneck squash Scallop squash Vegetable marrow Spaghetti squash Hyotan Cucuzza Hechima Chinese okra Bitter melon Balsam pear Balsam apple Chinese Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt. -- 1 day over 1 1/2 pt.-- 3 days	48 hrs
	Do not apply more than 18 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 12 applications per crop. * Fruit of the Gourd (Cucurbitaceae) family that are consumed when immature, 100% of the fruit is edible cooked or raw, once picked cannot be stored, has a soft rind which is easily penetrated, and if seeds were harvested they would not germinate.			
Tangelo, Tangerine CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop.			
Tobacco (Except shade)	Flea Beetle Hornworm	3/4 – 1 1/2	5 - Flue cured 14 - Air or fire cured	48 hrs
	Loopers Aphids Tobacco Budworm Fall Armyworm	1 1/2		
	Do not apply more than 7.5 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 5 applications per crop.			

Crops	Insects	Rate ROTAM METHOMYL 29LV Pts. Per Acre	Last Application -Days To Harvest	REI
Tomato (Including Tomatillos*)	Tomato Fruitworm Aphids Hornworm Loopers Beet Armyworm Southern Armyworm Pinworm Armyworm Fall Armyworm	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 21 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 16 applications per crop. * For tomatillos do not apply more than 15 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 5 applications per crop.			
Turf (For use on sod farms only)	Sod Webworm (after application, sprinkle irrigate for 15 minutes)	3 (1.1 fl. ozs. per 1000 sq. ft.)		48 hrs
	Do not apply more than 12 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop. Do not graze or feed.			
Wheat	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of ROTAM METHOMYL 29LV per acre per crop. Do not make more than 4 applications per crop. Chemigation: ROTAM METHOMYL 29LV may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of ROTAM METHOMYL 29LV. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: ROTAM METHOMYL 29LV can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Storage and Disposal Continued

Nonrefillable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Storage and Disposal Continued

All Refillable Containers: Refillable container. Refilling Container: Refill this container with ROTAM METHOMYL 29LV containing methomyl only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. *Disposing of Container:* Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if *appropriate or puncture and dispose of in a sanitary landfill, or by other* procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Rotam Agrochemical Company Limited or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Rotam Agrochemical Company Limited and Seller harmless for any claims relating to such factors.

Rotam Agrochemical Company Limited warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty *does not extend to the use of the product contrary to label instructions, or under* abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Rotam Agrochemical Company Limited, and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ROTAM LTD MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, Rotam Agrochemical Company Limited or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ROTAM AGROCHEMICAL COMPANY LIMITED AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ROTAM AGROCHEMICAL COMPANY LIMITED OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Rotam Agrochemical Company Limited and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Rotam Agrochemical Company Limited.

Manufactured by:
7/F Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong
1-866-927-6826

Registered: [TBA]

[Back Page of Booklet - remains on the container when booklet is removed]

RESTRICTED USE PESTICIDE

Due to high Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP 1A INSECTICIDE

Rotam Methomyl 29LV Insecticide

Water Soluble Liquid

Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	*By Weight*
Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	100%

Contains Methanol

[Placeholder to identify Container type]

EPA Reg. No. 83100 - 27 EPA Est. No.: 5905-GA-01

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to inside label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions For Use.

FIRST AID

(N-Methyl Carbamate Insecticide)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

ATROPINE IS AN ANTIDOTE –SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.

POISONING SYMPTOMS — Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

TREATMENT — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to ROTAM METHOMYL 29LV alone. However, for exposure to combinations of ROTAM METHOMY L29LV and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol. Methanol may cause blindness. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
- Socks and chemical resistant footwear.
- Protective eyewear.
- Chemical resistant apron.
- Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any R, P, or HE prefilter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of

equipment washwater or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Keep container closed. Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Storage and Disposal Continued

CONTAINER HANDLING:
Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Storage and Disposal Continued

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert prassure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

All Refillable Containers: Refillable container. Refilling Container: Refill this container with ROTAM METHOMYL 29LV containing methomyl only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. *Disposing of Container:* Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong
1-866-927-6826

Registered: (TBA)

Net Contents
Gallons
TBA

Supplemental Labeling

Green and Dry Bulb Onions

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON GREEN AND DRY BULB ONIONS VIA DRIP IRRIGATION IN THE STATES OF IDAHO, NEVADA, OREGON, UTAH, AND WASHINGTON

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

General Information
METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

Application Information, Rates and Timing
Rotam METHOMYL 29LV INSECTICIDE controls thrips in green and dry bulb onions at the rate of 3 pints of product per acre of plant bed applied through drip irrigation systems. The rate of METHOMYL 29LV INSECTICIDE is listed as a broadcast rate. For drip irrigation rates of METHOMYL 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Acidify the injection solution containing METHOMYL 29 LV INSECTICIDE to a pH of 5 or less. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory

control with any insecticide program.

Manufactured by:
Rotam Agrochemical Company Ltd.
7F, Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Make sequential applications at 7 to 10 day intervals. Consider use of products with an alternate mode of action as part of your thrips control program. Do not apply more than 12 pints (3.6 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to dry bulb onions. Do not apply more than 18 pints (5.4 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to green onions. Make the last application of METHOMYL 29LV INSECTICIDE at least 7 days before harvest.

Instructions for the Use of METHOMYL 29LV INSECTICIDE in Drip Chemigation

Bed Spacing	Linear Ft. of Bed to Equal One Acre	METHOMYL 29LV INSECTICIDE pt./A rate per 1000 Row Feet
36 inches	14,520 ft.	3.3 fl. oz.
48 inches	10,890 ft.	4.4 fl. oz.
60 inches	8,712 ft.	5.5 fl. oz.
72 inches	7,260 ft.	6.6 fl. Oz

Chemigation Systems

Types of Irrigation Systems
METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb onions. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in supplemental, SLN or the main product label.

General Directions for Drip Chemigation

General Drip Guidance
1. Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planting. The goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches deep.
2. Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of METHOMYL 29LV INSECTICIDE comes out of each emitter.
3. Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
4. The minimum injection time that will result in uniform distribution of METHOMYL 29LV

INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity of the application. Also applications made with lower delivery volumes of water will improve uniformity.
5. When the drip tape is located between two single or double rows of onions, begin injection of METHOMYL 29LV INSECTICIDE as soon as the system is up to pressure and continue through the first half to two-thirds of the irrigation cycle. The purpose is to ensure that the METHOMYL 29LV INSECTICIDE is pushed all the way to the root zone of the outer row and not left in the area around the emitter.
6. Applications should be made before pests reach thresholds.
7. Drip chemigation works best when fields are relatively flat.
8. The tape flow rate should be matched to the soil type, crop and climate. Too much flow can result in puddling and excessive time at soil saturation. Consult the tape manufacturer for more information.

Preparation
A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight.

Injection into Chemigation Systems
Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. The injection solution containing METHOMYL 29LV INSECTICIDE should be injected during the middle one-third of the irrigation cycle.

Uniform Water Distribution
The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices
Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.
1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated
Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT",
followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for

chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation
Start the water pump and let the system achieve the desired pressure and flow before starting the injector. Start the injector and calibrate the injection system. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.
Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

Supplemental Labeling

Succulent Peas
Succulent Beans
Dry Beans

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON DRY AND SUCCULENT BEANS AND SUCCULENT PEAS VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labelling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

General Information
METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

Application Information, Rates and Timing
Rotam METHOMYL 29LV INSECTICIDE controls beet armyworm, yellowstriped armyworm, western yellowstriped armyworm, saltmarsh caterpillar, aphids, variegated cutworm and loopers in succulent and dry beans and armyworm, beet armyworm, loopers, pea aphid, saltmarsh caterpillar,

variegated cutworm, alfalfa caterpillar and green cutworm in succulent peas at the rate of 3 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F/ Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) METHOMYL 29LV INSECTICIDE per acre per crop to dry and succulent beans. Do not apply more than 9 pints (2.7 lbs a.i.) of METHOMYL 29LV INSECTICIDE per acre per crop to succulent peas.

Observe the following pre-harvest intervals following the last application of METHOMYL 29LV INSECTICIDE: Succulent beans and bean vines - 3 days, succulent bean hay - 7 days; Dry beans, dry bean vines and hay - 14 days to cutting after the last application; Succulent peas - 1 day, succulent pea forage - 5 days and succulent pea hay 14 days.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems
METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of the listed insects in dry and succulent beans and in succulent peas. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

General Directions for Chemigation

Preparation
A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems
Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for

uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices
Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

8. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
9. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
10. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
11. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
12. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
13. Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
14. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated
Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT".
followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation
Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.
It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.
Do not apply when wind speed favors drift beyond the area intended for treatment.
Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

Supplemental Labeling Sweet Corn

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON SWEET CORN VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF COLORADO AND NEW MEXICO

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

General Information
METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

Application Information, Rates and Timing
Rotam METHOMYL 29LV INSECTICIDE controls armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn at the rate of 1 1/2 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.
Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to sweet corn. Make the last application of METHOMYL 29LV INSECTICIDE at least 0 days for ears, 3 days for forage or 21 days for stover before harvest.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F/ Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems
METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

General Directions for Chemigation

Preparation
A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems
Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices
Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

15. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
16. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
17. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
18. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
19. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
20. Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
21. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated
Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are

composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT",
followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation
Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.
It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.
Do not apply when wind speed favors drift beyond the area intended for treatment.
Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

61

RE: WITH ATTACHMENT: need revised label for methomyl 83100-27
Frank Sobotka to: Thomas Harris 08/09/2011 04:50 AM
Cc: Frank Sobotka Ph.D., Jim Botti

Sorry for the delay, I have corrected the labels per your email and combined the Section 3 with the 3 supplementals into one "Master
Label". Let me know if I need to make any further changes. Regards,

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

Personal privacy information

From: [redacted]
To: harris.thomas@epamail.epa.gov
Subject: RE: WITH ATTACHMENT: need revised label for methomyl 83100-27
Date: Fri, 5 Aug 2011 10:11:17 -0400

Tom, working on this, and targeted to have the combined revised Master Label to you late afternoon on Monday. Regards,

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

> Subject: WITH ATTACHMENT: need revised label for methomyl 83100-27
> To: [redacted]
> From: harris.thomas@epamail.epa.gov *Personal privacy information*
> Date: Thu, 4 Aug 2011 13:00:23 -0400
>
>
> Too fast on the trigger. Here's the Dupont label:
> (See attached file: 000352-00384.20101208.delete grapes.amd.a.stamped
> label.ocr.pdf)
>
> Tom Harris
> EPA/OCSPP/OPP/RD/IRB
> voice: (703) 308-9423
> fax: (703) 308-0029
> harris.thomas@epa.gov
> visit http://www.epa.gov/pesticides
> ----- Forwarded by Thomas Harris/DC/USEPA/US on 08/04/2011 12:58 PM
> -----

>
> From: Thomas Harris/DC/USEPA/US
> To: Frank Sobotka [redacted]
> Date: 08/04/2011 12:58 PM
> Subject: need revised label for methomyl 83100-27
>
>
> Dr. Sobotka,
>
> I have your three applications to add supplemental labeling for
> chemigation application on certain crops to your Rotam Methomyl 29LV reg
> # 83100-27 product. These are copying the supplementals as they appear
> with 352-384.
>
> The general concept is fine but I need a single revised label with
> corrections listed below. Please make these changes and email a single
> text .pdf for the resulting master label.
>
> 1) Combine all three supplementals along with existing full label into
> a large Master label. The master label will consist of the normal full
> label plus extra pages with the three supplemental labels. This single
> master label will be stamp as one unit. Note: Let me know if you also
> need each supplemental label stamped on it's own. I can do that if
> needed. My cover letter will explain the master label = full + 3
> supplementals.
>
> 2) On existing full label:
> replace - "Do not apply thru Drip Chemigation unless accompanied by
> Rotam Supplemental Labeling." on page 7 of current label
> with - full chemigation paragraph at start of General Information
> section on page 3 of 352-384 (attached below).
>
> 3) On existing full label:
> add succulent beans, dry beans, succulent peas, and sweet corn to list
> in section header on page 11 "CHEMIGATION Instructions for the Use of
> ROTAM METHOMYL 29LV on Alfalfa, Barley, Oats, Green and Dry Bulb Onions,
> Potatoes, Rye, Sugar Beets and Wheat Using Overhead Sprinkler
> Chemigation". You already have them all listed in the sentence a little
> further on.
>
> 4) On the green and dry bulb onion supplemental labeling:
> optional - 352-384 has a sentence in application information about
> adjusting pH to below 5 (page 1 of supplemental). You can add this text
> if you feel it applies to your product. I'm not really sure why it's on
> the Dupont label so I leave it to you to decide if this is something you
> need.
>
> Give me a call if you have any questions. Email me a single text .pdf
> of the master label (full + supplementals).
>
> Tom Harris
> EPA/OCSPP/OPP/RD/IRB
> voice: (703) 308-9423
> fax: (703) 308-0029
> harris.thomas@epa.gov

> visit http://www.epa.gov/pesticides 083100-0027.20110808.Primary Lbl + Supl.pdf

Re: Methomyl Label changes
Thomas Harris to: Frank Sobotka 04/01/2011 02:37 PM
Cc: harris.thomas

Hmmm. Interesting question and perhaps a negative reason to move SLNs to Sec 3 labels.

No one I can check with today so I'll take a stab at this and then confirm on Monday.

If a use is on Dupont label, even as Supplemental label, then you can copy it. I would request that you keep the Dupont Supplements as Rotam Supplementals and not work into main Sec 3 label. Also, VERY IMPORTANT, maintain any state restrictions on the Supplementals. As I mentioned, these start as SLNs and then Dupont move them to Sec 3. I'm not wild about that but it's ok as long as you maintain state limitation, eg. only for use in CA.

I'm not sure about the peas/beans and sweet corn. Yes, I see them in the general section but not on the main Sec 3 and I don't see any Supplementals on the latest Sec 3 (another reason to leave them as SLNs!- easier to track). I'll have to get back to you on this. Need to make sure we did not intentionally delete them and just missed the reference in the general section.

Tom Harris
EPA/OCSPP/OPP/RD/IRB
voice: (703) 308-9423
fax: (703) 308-0029
harris.thomas@epa.gov
visit http://www.epa.gov/pesticides

Frank Sobotka Tom, thanks for your comments. I do not want t... 04/01/2011 01:46:33 PM

From: Frank Sobotka [redacted] **Personal privacy information**
To: Thomas Harris/DC/USEPA/US@EPA
Date: 04/01/2011 01:46 PM
Subject: Methomyl Label changes

Tom, thanks for your comments. I do not want to bother you on your day off, however, just one question and I will have all back to you on Monday.

The Dupont supplemental use directions for Chemigation (excluding drip chemigation) are now on the Revised Dupont label, therefore Rotam can add them to their label without supplementa labeling.

I cross referenced all of the overhead Chemigation Supplementals Dupont has, and, all are now on their section 3 label. However, in the case of Peas/beans and sweet corn, the reference to overhead chemigation is not showing in the case of these three specific crops in the rate and timing table, as in the case of the other chemigation approved crops? Under General Information it states that chemigation can be used for Peas/Beans and corn, but the actual application information is missing from the use rate table as is listed for other crops approved for use of overhead chemigation. I think this is just an oversight in the case of Dupont. My question is: Can I add the chemigation application information directions under Peas/beans and sweet corn, on the two Rotam labels?

Dr. Frank E. Sobotka, Senior Partner
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238
PH: 215 497-9501
FX: 215 497-9502

WITH ATTACHMENT: need revised label for methomyl 83100-27
Thomas Harris to: Frank Sobotka 08/04/2011 01:00 PM

Too fast on the trigger. Here's the Dupont label:

000352-00384.20101208.delete grapes.amd.a.stamped label.ocr.pdf

Tom Harris
EPA/OCSPP/OPP/RD/IRB
voice: (703) 308-9423
fax: (703) 308-0029
harris.thomas@epa.gov
visit http://www.epa.gov/pesticides
----- Forwarded by Thomas Harris/DC/USEPA/US on 08/04/2011 12:58 PM -----

From: Thomas Harris/DC/USEPA/US
To: Frank Sobotka [redacted]
Date: 08/04/2011 12:58 PM
Subject: need revised label for methomyl 83100-27

Personal privacy information

Dr. Sobotka,

I have your three applications to add supplemental labeling for chemigation application on certain crops to your Rotam Methomyl 29LV reg # 83100-27 product. These are copying the supplementals as they appear with 352-384.

The general concept is fine but I need a single revised label with corrections listed below. Please make these changes and email a single text .pdf for the resulting master label.

1) Combine all three supplementals along with existing full label into a large Master label. The master label will consist of the normal full label plus extra pages with the three supplemental labels. This single master label will be stamp as one unit. Note: Let me know if you also need each supplemental label stamped on it's own. I can do that if needed. My cover letter will explain the master label = full + 3 supplementals.

2) On existing full label:
replace - "Do not apply thru Drip Chemigation unless accompanied by Rotam Supplemental Labeling." on page 7 of current label
with - full chemigation paragraph at start of General Information section on page 3 of 352-384 (attached below).

3) On existing full label:
add succulent beans, dry beans, succulent peas, and sweet corn to list in section header on page 11 "CHEMIGATION Instructions for the Use of ROTAM METHOMYL 29LV on Alfalfa, Barley, Oats, Green and Dry Bulb Onions, Potatoes, Rye, Sugar Beets and Wheat Using Overhead Sprinkler Chemigation". You already have them all listed in the sentence a little further on.

4) On the green and dry bulb onion supplemental labeling:
optional - 352-384 has a sentence in application information about adjusting pH to below 5 (page 1 of supplemental). You can add this text if you feel it applies to your product. I'm not really sure why it's on the Dupont label so I leave it to you to decide if this is something you need.

Give me a call if you have any questions. Email me a single text .pdf of the master label (full + supplementals).

Tom Harris
EPA/OCSPP/OPP/RD/IRB
voice: (703) 308-9423
fax: (703) 308-0029
harris.thomas@epa.gov

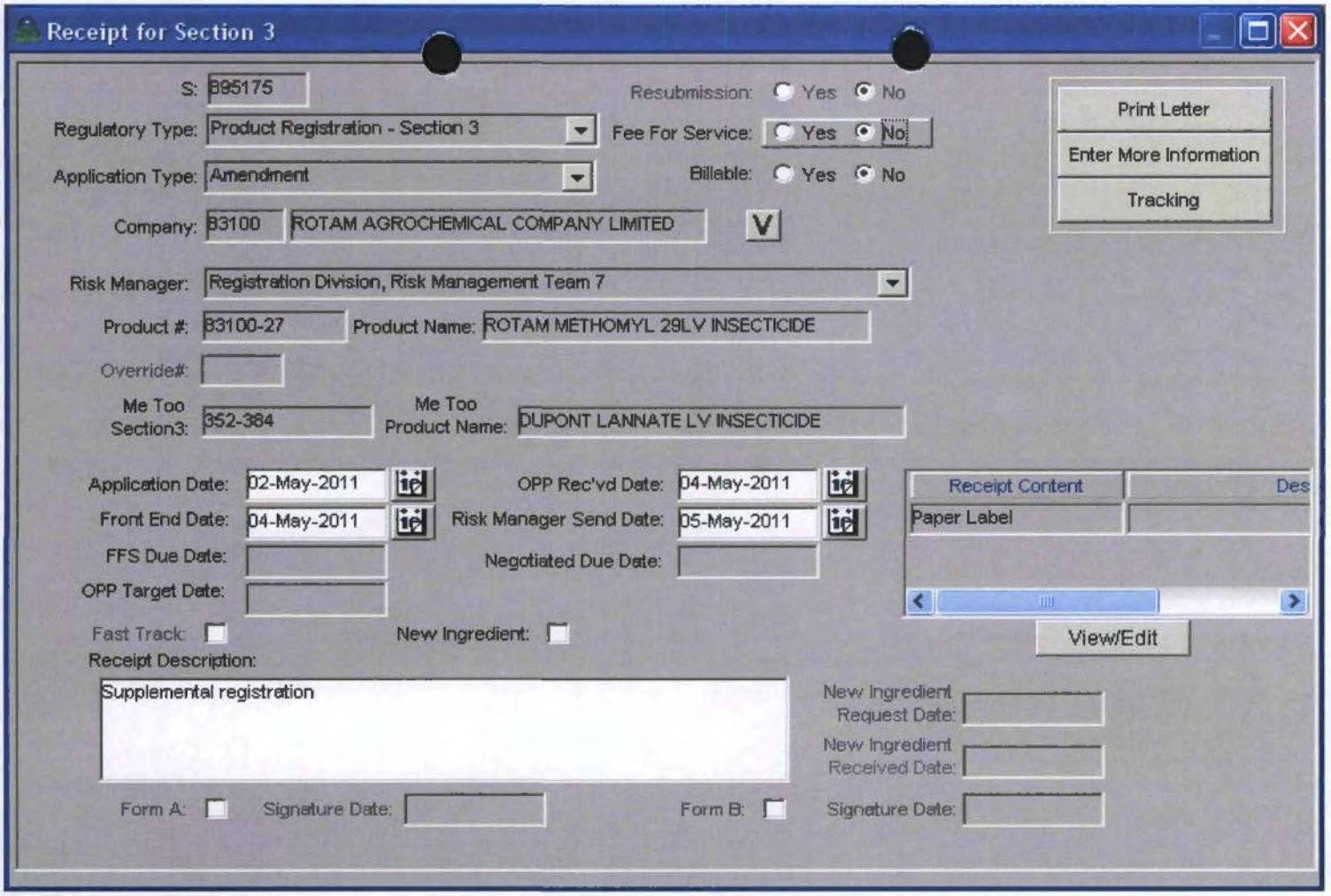
FAST-TRACK AMENDMENTS–Completeness Screening Checklist

ITB / PM 7

Experts In-Processing Signature: M. WALSH

EPA Reg. Number: 83100-27	EPA Receipt Date: 5/4/11

	Check List Item	Yes	No	NA
1	**Application Form** (EPA Form 8570-1) –signed?	X		
2	**Confidential Statement of Formula** (EPA Form 8570-29) – signed?			X
3	**Certification with Respect to Citation of Data** (EPA Form 8570-34) signed?		X	X
4	**Formulator's Exemption Statement** (EPA Form 8570-27) - signed?			X
5	**Data Matrix** (EPA Form 8570-35) [Applicable, for adding me-too uses]			X
	a) Selective Method?			
	b) Cite-All Method? Applicant owns data or list only the companies offered to pay			
	c) Public copy of Matrix provided? See PR Notice 98-5			
6	**Is Label Included? (5 copies)**	X		
	Comments: MULTIPLE SUPPLEMENTAL LABELS.			


Receipt for Section 3
S: 895175
Resubmission: Yes No
Regulatory Type: Product Registration - Section 3
Fee For Service: Yes No
Application Type: Amendment
Billable: Yes No
Company: 83100 ROTAM AGROCHEMICAL COMPANY LIMITED
Print Letter
Enter More Information
Tracking
Risk Manager: Registration Division, Risk Management Team 7
Product #: 83100-27
Product Name: ROTAM METHOMYL 29LV INSECTICIDE
Override#:
Me Too Section3: 352-384
Me Too Product Name: DUPONT LANNATE LV INSECTICIDE
Application Date: 02-May-2011
OPP Rec'vd Date: 04-May-2011
Front End Date: 04-May-2011
Risk Manager Send Date: 05-May-2011
FFS Due Date:
Negotiated Due Date:
OPP Target Date:
Receipt Content
Des
Paper Label
Fast Track:
New Ingredient:
View/Edit
Receipt Description:
Supplemental registration
New Ingredient Request Date:
New Ingredient Received Date:
Form A:
Signature Date:
Form B:
Signature Date:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

May 5, 2011

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

FRANK E. SOBOTKA, PH.D.
IPM RESOURCES LLC
ROTAM AGROCHEMICAL COMPANY LIMITED
7/F CHEUNG TAT CENTRE
4032 CROCKERS LAKE BLVD., STE 818
SARASOTA, FL 43238-

PRODUCT NAME: ROTAM METHOMYL 29LV INSECTICIDE
COMPANY NAME: ROTAM AGROCHEMICAL COMPANY LIMITED
OPP IDENTIFICATION NUMBER:
EPA FILE SYMBOL: 83100-27
EPA RECEIPT DATE: 05/04/11

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 7, at (703) 308-6249.

Sincerely,

P. K Moore
Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division

Fee for Service {895175B~

This package includes the following

- ○ New Registration
- ◉ Amendment

☐ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ___

for Division

- ○ AD
- ○ BPPD
- ◉ RD

Risk Mgr. 7

Receipt No. S-	895175
EPA File Symbol/Reg. No.	83100-27
Pin-Punch Date:	5/4/2011

☒ This item is NOT subject to FFS action.

Action Code:

Requested: ____

Granted: ____

Amount Due: $ _____

Parent/Child Decisions:

Non-Fee

▣ Inert Cleared for Intended Use ▣ Uncleared Inert in Product

Reviewer: D V Monteiro Date: 5/5/11

Remarks:

IPM *Resources LLC*

4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

May 02, 2011

VIA UPS EXPRESS

hebert.john@epa.gov
[REF. ☎ 1 -703-308-6249]

Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT: Application for Supplemental Registration
Rotam Methomyl 29LV Insecticide
EPA Reg. No. 83100-27

Dear Mr. Hebert :

The purpose of this letter is to transmit to the Agency on behalf of ROTAM AGROCHEMICAL COMPANY LTD. application for Supplemental Registration for Rotam Methomyl 29LV Insecticide. This product is similar or identical in composition and labeling to DuPont Lannate LV (EPA Reg. No. 352-384).

This supplemental Registration application allows for the use of Rotam Methomyl 29LV Insecticide through drip irrigation for Green and Dry Bulb Onions in the States of ID, NV, OR, UT, WA.

The following are enclosed in this submission:

Administrative Materials: (MRID No.: _____)

- Transmittal Form (EPA Form 8570-1
- Draft Labeling Rotam Methomyl 29LV Insecticide, 5 Copies

Thank you for your assistance with this Application. If you have any questions or need additional information, please do not hesitate to contact us at any time.

Sincerely yours,

Frank E. Sobotka, Ph.D.
Senior Partner
IPM Resources LLC (Agent)

Please read instructions on reverse before completing form. Form Approved OMB No. 2070-0060, Approval expires 2-28-95

United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☑ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Rotam Agrochemical Company Ltd / 83100	John Hebert	☐ None ☑ Restricted
4. Company/Product (Name)	**PM#**	
Rotam Methomyl 29LV Insecticide	7	

5. Name and Address of Applicant *(Include ZIP Code)*

ROTAM Agrochemical Company Limited
C/O IPM Resources LLC (Agent)
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

☐ *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. 352-384

Product Name DuPont Lannate LV

Section - II

☐ Amendment - Explain below.
☐ Resubmission in response to Agency letter dated _____
☐ Notification - Explain below.
☐ Final printed labels in reponse to Agency letter dated _____
☑ "Me Too" Application.
☐ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Application for "Supplemental Registration", Rotam Methomyl 29LV Insecticide (83100-27).
Use Directions for Green and Dry Bulb Onions via Drip Irrigation applications in the states of (ID, NV, OR, UT, WA).

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes ☑ No	☐ Yes ☑ No	☐ Yes ☑ No	☐ Metal ☑ Plastic ☐ Glass ☐ Paper ☐ Other (Specify) _____
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt 0 / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☑ Label ☐ Container	1 qt, 1 gal, 2.5 gal, 15 gal , bulk	☑

6. Manner in Which Label is Affixed to Product
Printed or glued
☑ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Frank E. Sobotka, Ph.D.	Agent	215 497-9501

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received (Stamped)
Frank E. Sobotka	Agent	
4. Typed Name	**5. Date**	
Frank E. Sobotka, Ph.D.	May 02, 2011	

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Supplemental Labeling

Green and Dry Bulb Onions

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON GREEN AND DRY BULB ONIONS VIA DRIP IRRIGATION IN THE STATES OF IDAHO, NEVADA, OREGON, UTAH, AND WASHINGTON

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT

BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

General Information

METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

Application Information, Rates and Timing

Rotam METHOMYL 29LV INSECTICIDE controls thrips in green and dry bulb onions at the rate of 3 pints of product per acre of plant bed applied through drip irrigation systems. The rate of METHOMYL 29LV INSECTICIDE is listed as a broadcast rate. For drip irrigation rates of METHOMYL 29LV INSECTICIDE to be applied per 1000 feet, see the table at the end of this section. Treatments should begin before populations of thrips reach 3-5 thrips per plant. Once thrips populations reach an average of 10 thrips per plant or higher, it is very difficult to achieve satisfactory control with any insecticide program.

Manufactured by:
Rotam Agrochemical company Ltd.
7F, Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Code (TBA)

Make sequential applications at 7 to 10 day intervals. Consider use of products with an alternate mode of action as part of your thrips control program. Do not apply more than 12 pints (3.6 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to dry bulb onions. Do not apply more than 18 pints (5.4 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to green onions. Make the last application of METHOMYL 29LV INSECTICIDE at least 7 days before harvest.

Instructions for the Use of METHOMYL 29LV INSECTICIDE in Drip Chemigation

Bed Spacing	Linear Ft. of Bed to Equal One Acre	METHOMYL 29LV INSECTICIDE pt./A rate per 1000 Row Feet
36 inches	14,520 ft.	3.3 fl. oz.
48 inches	10,890 ft.	4.4 fl. oz.
60 inches	8,712 ft.	5.5 fl. oz.
72 inches	7,260 ft.	6.6 fl. Oz

Chemigation Systems

Types of Irrigation Systems

METHOMYL 29LV INSECTICIDE may be applied through drip irrigation systems for control of thrips in green and dry bulb onions. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in supplemental, SLN or the main product label.

General Directions for Drip Chemigation

General Drip Guidance

1. Tape placement is critical. All products applied via drip irrigation must be deposited in the root zone. Place the tape either under each row or within each bed at the minimum depth that allows planting. The goal is to have the tape within or adjacent to the root zone and buried no more than 2 inches deep.
2. Optimum emitter spacing is 6 inches or less. The maximum emitter spacing must not exceed 12 inches. Emitters must be free of debris and deliver consistent amounts of water. Best results are seen when the same amount of METHOMYL 29LV INSECTICIDE comes out of each emitter.
3. Adjust the irrigation cycle so that the water reaches the entire root zone without being pushed beyond the root zone.
4. The minimum injection time that will result in uniform distribution of METHOMYL 29LV INSECTICIDE throughout the field is the time it takes water to move from the injection point to the most distant emitter. Extending the injection time to twice the minimum will improve uniformity of the application. Also applications made with lower delivery volumes of water will improve uniformity.
5. When the drip tape is located between two single or double rows of onions, begin injection of METHOMYL 29LV INSECTICIDE as soon as the system is up to pressure and continue through the first half to two-thirds of the irrigation cycle. The purpose is to ensure that the METHOMYL 29LV INSECTICIDE is pushed all the way to the root zone of the outer row and not left in the area around the emitter.
6. Applications should be made before pests reach thresholds.
7. Drip chemigation works best when fields are relatively flat.
8. The tape flow rate should be matched to the soil type, crop and climate. Too much flow can result in puddling and excessive time at soil saturation. Consult the tape manufacturer for more information.

Preparation

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight.

Injection Into Chemigation Systems
Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. The injection solution containing METHOMYL 29LV INSECTICIDE should be injected during the middle one-third of the irrigation cycle.

Uniform Water Distribution
The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices
Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure

zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated
Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation
Start the water pump and let the system achieve the desired pressure and flow before starting the injector. Start the injector and calibrate the injection system. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.
Do not apply when system connections or fittings leak or when emitters do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. METHOMYL 29LV INSECTICIDE should not be applied at the same time that a drip/irrigation line clean out product is being used as performance may be reduced. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND CAREFULLY NOTE THE CAUTIONARY STATEMENTS AND OTHER PROCEDURAL INFORMATION APPEARING ON THE EPA REGISTERED LABEL OR ON OTHER SUPPLEMENTAL LABELS.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

IPM *Resources LLC*

4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

May 02, 2011

VIA UPS EXPRESS

hebert.john@epa.gov
[REF. ☎ 1 -703-308-6249]

Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT: Application for Supplemental Registration
Rotam Methomyl 29LV Insecticide
EPA Reg. No. 83100-27

Dear Mr. Hebert :

The purpose of this letter is to transmit to the Agency on behalf of ROTAM AGROCHEMICAL COMPANY LTD. application for Supplemental Registration for Rotam Methomyl 29LV Insecticide. This product is similar or identical in composition and labeling to DuPont Lannate LV (EPA Reg. No. 352-384).

This supplemental Registration application allows for the use of Rotam Methomyl 29LV Insecticide through overhead irrigation on succulent beans, dry beans and succulent peas in the states of ID, MT, NV, OR, UT, and WA.

The following are enclosed in this submission:

Administrative Materials: (MRID No.: _____)

- Transmittal Form (EPA Form 8570-1
- Draft Labeling Rotam Methomyl 29LV Insecticide, 5 Copies

Thank you for your assistance with this Application. If you have any questions or need additional information, please do not hesitate to contact us at any time.

Sincerely yours,

Frank E. Sobotka, Ph.D.
Senior Partner
IPM Resources LLC (Agent)

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☑ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Rotam Agrochemical Company Ltd / 83100	John Hebert	☐ None ☑ Restricted
4. Company/Product (Name)	**PM#**	
Rotam Methomyl 29LV Insecticide	7	

5. Name and Address of Applicant *(Include ZIP Code)*

ROTAM Agrochemical Company Limited
C/O IPM Resources LLC (Agent)
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

☐ *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. 352-384

Product Name DuPont Lannate LV

Section - II

☐ Amendment - Explain below.
☐ Resubmission in response to Agency letter dated _____
☐ Notification - Explain below.
☐ Final printed labels in reponse to Agency letter dated _____
☑ "Me Too" Application.
☐ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Application for "Supplemental Registration" Rotam Methomyl 29LV Insecticide (83100-27).
Use Directions for Overhead Sprinkler Irrigation applications to Succulent Beans, Dry Beans and Succulent Peas (ID, MT, NV, OR, UT, WA)

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes ☑ No	☐ Yes ☑ No	☐ Yes ☑ No	☐ Metal ☑ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
** Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container: 0	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☑ Label ☐ Container	1 qt, 1 gal, 2.5 gal, 15 gal , bulk	☑

6. Manner in Which Label is Affixed to Product
Printed or glued
☑ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Frank E. Sobotka, Ph.D.	Agent	215 497-9501

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received (Stamped)
	Agent	
4. Typed Name	**5. Date**	
Frank E. Sobotka, Ph.D.	May 02, 2011	

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Supplemental Labeling

Succulent Peas
Succulent Beans
Dry Beans

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON DRY AND SUCCULENT BEANS AND SUCCULENT PEAS VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

General Information
METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

Application Information, Rates and Timing
Rotam METHOMYL 29LV INSECTICIDE controls beet armyworm, yellowstriped armyworm, western yellowstriped armyworm, saltmarsh caterpillar, aphids, variegated cutworm and loopers in succulent and dry beans and armyworm, beet armyworm, loopers, pea aphid, saltmarsh caterpillar, variegated cutworm, alfalfa caterpillar and green cutworm in succulent peas at the rate of 3 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F/ Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Code (TBA)

Use of a wetting agent may improve performance. Make sequential applications at 5 to 7 day intervals or until worm populations are brought below threshold. Do not apply more than 15 pints (4.5 lbs a.i.) METHOMYL 29LV INSECTICIDE per acre per crop to dry and succulent beans. Do not apply more than 9 pints (2.7 lbs a.i.) of METHOMYL 29LV INSECTICIDE per acre per crop to succulent peas.

Observe the following pre-harvest intervals following the last application of METHOMYL 29LV INSECTICIDE: Succulent beans and bean vines - 3 days, succulent bean hay - 7 days; Dry beans, dry bean vines and hay - 14 days to cutting after the last application; Succulent peas - 1 day, succulent pea forage - 5 days and succulent pea hay 14 days.

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems

METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of the listed insects in dry and succulent beans and in succulent peas. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

General Directions for Chemigation

Preparation

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems

Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for

cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.
It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.
Do not apply when wind speed favors drift beyond the area intended for treatment.
Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.

IPM *Resources LLC*

4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

May 02, 2011

VIA UPS EXPRESS

hebert.john@epa.gov
[REF. ☎ 1 -703-308-6249]

Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7

SUBJECT: Application for Supplemental Registration
Rotam Methomyl 29LV Insecticide
EPA Reg. No. 83100-27

Dear Mr. Hebert :

The purpose of this letter is to transmit to the Agency on behalf of ROTAM AGROCHEMICAL COMPANY LTD. application for Supplemental Registration for Rotam Methomyl 29LV Insecticide. This product is similar or identical in composition and labeling to DuPont Lannate LV (EPA Reg. No. 352-384).

This supplemental Registration application allows for the use of Rotam Methomyl 29LV Insecticide through overhead irrigation on Sweet Corn in the states of CO and NM.

The following are enclosed in this submission:

Administrative Materials: (MRID No.: _____)

- Transmittal Form (EPA Form 8570-1
- Draft Labeling Rotam Methomyl 29LV Insecticide, 5 Copies

Thank you for your assistanee with this Application. If you have any questions or need additional information, please do not hesitate to contact us at any time.

Sincerely yours,

Frank E. Sobotka, Ph.D.
Senior Partner
IPM Resources LLC (Agent)

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060, Approval expires 2-28-95

United States
Environmental Protection Agency
Washington, DC 20460

- [ ] Registration
- [ ] Amendment
- [x] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Rotam Agrochemical Company Ltd / 83100	John Hebert	[ ] None [x] Restricted
4. Company/Product (Name) Rotam Methomyl 29LV Insecticide	PM# 7	

5. Name and Address of Applicant *(Include ZIP Code)*

ROTAM Agrochemical Company Limited
C/O IPM Resources LLC (Agent)
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

[ ] *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. 352-384

Product Name DuPont Lannate LV

Section - II

- [ ] Amendment - Explain below.
- [ ] Resubmission in response to Agency letter dated
- [ ] Notification - Explain below.
- [ ] Final printed labels in repsonse to Agency letter dated
- [x] "Me Too" Application.
- [ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Application for "Supplemental Registration" Rotam Methomyl 29LV Insecticide (83100-27).
Use Directions for Overhead Sprinkler Irrigation applications to Sweet Corn (CO, NM)

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Metal [x] Plastic [ ] Glass [ ] Paper [ ] Other (Specify)
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt 0 / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[x] Label [ ] Container	1 qt, 1 gal, 2.5 gal, 15 gal , bulk	[x]

6. Manner in Which Label is Affixed to Product Printed or glued

[x] Lithograph / Paper glued [ ] Stenciled [ ] Other

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Frank E. Sobotka, Ph.D.	Agent	215-497-9501

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature	3. Title	
	Agent	
4. Typed Name Frank E. Sobotka, Ph.D.	**5. Date** May 02, 2011	

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Supplemental Labeling Sweet Corn

ROTAM METHOMYL 29LV INSECTICIDE

EPA Reg. No. 83100-27

FOR USE ON SWEET CORN VIA OVERHEAD SPRINKLER IRRIGATION IN THE STATES OF COLORADO AND NEW MEXICO

Restricted Use Pesticide

Due to High Acute Toxicity to Humans

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Direct supervision for this product requires the certified applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, or repair or cleaning of application equipment.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT
BEFORE USING METHOMYL 29LV INSECTICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA - REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of these products in combination which does not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

General Information
METHOMYL 29LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. METHOMYL 29LV INSECTICIDE is mixed with water for application.

Application Information, Rates and Timing
Rotam METHOMYL 29LV INSECTICIDE controls armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn at the rate of 1 1/2 pints of product per acre applied through overhead sprinkler irrigation systems. Apply METHOMYL 29LV INSECTICIDE in 0.1 to 0.2 inches of water per acre. Use of a wetting agent may improve performance. Make sequential applications at 1 day intervals or until insect populations are brought below threshold. Do not apply more than 21 pints (6.3 lbs a.i.) METHOMYL 29LV INSECTICIDE per crop to sweet corn. Make the last application of METHOMYL 29LV INSECTICIDE at least 0 days for ears, 3 days for forage or 21 days for stover before harvest.

Manufactured by:
Rotam Agrochemical Company Ltd.
7/F/ Cheung Tat Centre
18 Cheung Lee Street
Chai Wan, Hong Kong

Code (TBA)

Instructions for the Use of ROTAM METHOMYL 29LV INSECTICIDE in Overhead Sprinkler Chemigation Systems.

Types of Irrigation Systems

METHOMYL 29LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of armyworm, fall armyworm, beet armyworm, earworm and aphids in sweet corn. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply METHOMYL 29LV INSECTICIDE through any other type of irrigation systems.

General Directions for Chemigation

Preparation

A pesticide tank is used for the application of METHOMYL 29LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of METHOMYL 29LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of METHOMYL 29LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH 5-7).

Injection Into Chemigation Systems

Inject the proper amount of the METHOMYL 29LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution

The irrigation system used for application of METHOMYL 29LV INSECTICIDE must provide for uniform distribution of METHOMYL 29LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other exerts if you have questions about achieving uniform distribution of the application.

Equipment calibration

Calibrate the irrigation system and injector before applying METHOMYL 29LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of application equipment when making adjustments or repairs on the chemigation system when METHOMYL 29LV INSECTICIDE is in the irrigation water.

Required System Safety Devices

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e. g. diap hragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated

Posting of areas to be chemigated is required when: 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

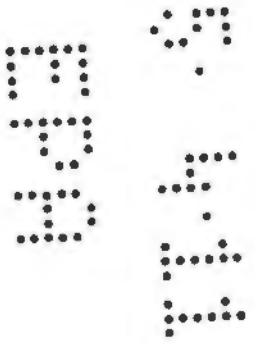
Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.
It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.
Do not apply when wind speed favors drift beyond the area intended for treatment.
Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using METHOMYL 29LV INSECTICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the limitation of Warranty and Liability on the Section 3 Federal product label.



Please read instructions on reverse before completing form. Form Approved OMB No. 2070-0060, Approval expires 2-28-95

United States
Environmental Protection Agency
Washington, DC 20460

- [ ] Registration
- [ ] Amendment
- [x] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Rotam North America Inc./83979-27-	John Hebert	[ ] None [x] Restricted
4. Company/Product (Name) Nudrin LV Insecticide	**PM#** 7	

5. Name and Address of Applicant *(Include ZIP Code)*

ROTAM North America, Inc.
C/O IPM Resources LLC (Agent)
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

[ ] *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _

Product Name _____

Section - II

- [ ] Amendment - Explain below.
- [ ] Resubmission in response to Agency letter dated _____
- [ ] *Notification - Explain below.*
- [x] Final printed labels in reponse to Agency letter dated 04/05/2011
- [ ] "Me Too" Application.
- [ ] *Other - Explain below.*

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Final Print labeling for Nudrin LV Insecticide (83100-27-83979)

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes [x] No	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Metal [x] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
** Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[x] Label [ ] Container	2x2.5gal/case/55 gal Drum	[x]

6. Manner in Which Label is Affixed to Product Printed or glued

[x] Lithograph / Paper glued / Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Frank E. Sobotka, Ph.D.	Agent	215 497-9501

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature	3. Title
Frank E. Sobotka	Agent
4. Typed Name Frank E. Sobotka, Ph.D.	**5. Date** July 06, 2011

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

NOT REVIEWED
In Accordance with PR Notice 82-2
Based on Draft Labeling Dated

RESTRICTED USE PESTICIDE

DUE TO HIGH ACUTE TOXICITY TO HUMANS

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

GROUP 1A INSECTICIDE

NUDRIN™ LV

INSECTICIDE

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

Water Soluble Liquid
Contains 2.4 lbs. active ingredient per gallon

Active Ingredient	**By Weight**
Methomyl (S-methyl-N-[(methylcarbamoyl) oxy]thioacetimidate)	29%
Other Ingredients	71%
TOTAL	**100%**

Contains Methanol
Packaged in Non-refillable Plastic Containers

EPA Reg. No. 83100-27-83979
EPA Est. No.: 5905-GA-01

Net Contents: 55 GALLONS (208.19 liters)
Non-refillable Plastic Container

NUDLV-01-R0311-55G
Manufactured for:
ROTAM NORTH AMERICA, INC.
1400 NW 107th Avenue, Suite 310
Miami, FL 33172
1-866-927-6826

ROTAM

Refer to inside for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations, Engineering Controls Statements, Environmental Hazards and Directions for Use

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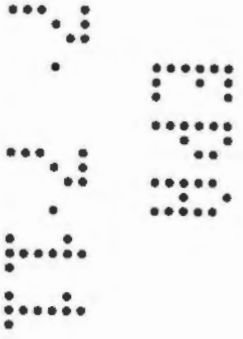

FIRST AID

(CONTAINS AN N-Methyl Carbamate Insecticide THAT INHIBITS CHOLINESTERASE)

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

ATROPINE IS AN ANTIDOTE – SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention.

POISONING SYMPTOMS — Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

TREATMENT — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg, intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to NUDRIN LV INSECTICIDE alone. However, for exposure to combinations of NUDRIN LV INSECTICIDE and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact the National Poison Control Center 24-hr Emergency Hotline at: 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

DANGER **POISON**

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Contains Methanol. Methanol may cause blindness. Causes irreversible eye damage. May be fatal if swallowed or if inhaled. Harmful if absorbed through skin. Do not get in eyes or on clothing. Do not breathe spray mist. Avoid contact with skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as natural rubber or other materials in EPA category C.
- Socks and chemical resistant footwear.
- Protective eyewear.
- Chemical resistant apron.
- *Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a* canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any R, P, or HE prefilter.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROL STATEMENTS

Human flaggers must be in enclosed cabs.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must not assist in the mixing and loading operations.

USER SAFETY RECOMMENDATIONS

USERS SHOULD:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove personal protective equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.
- Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Keep container closed. Use with adequate ventilation. The product shows potential explosive properties when heated to elevated temperatures.

Table of Contents

DIRECTIONS FOR USE

Restricted Use Pesticide

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WPS uses = 48 hour REI.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber.
- Shoes plus socks.
- Protective eyewear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Do not formulate this product into other end-use products without written permission from Rotam.

NUDRIN LV INSECTICIDE should be used only in accordance with directions for use on this label or in separate Rotam supplemental labeling. Rotam will not be responsible for use of the product in a manner not specified by Rotam in the product's labeling and User assumes all risk for such use.

NUDRIN LV INSECTICIDE is a water soluble liquid that is applied by foliar application to control many important insect pests. NUDRIN LV INSECTICIDE is mixed with water for application.

Do not apply thru Drip Chemigation unless accompanied by Rotam Supplemental Labeling.

Pilots must not assist in the mixing and loading operations.

Do not apply by ground equipment within 25 feet, or by air within 100 feet of lakes, reservoirs, rivers, estuaries, commercial fish ponds and natural, permanent streams, marshes or natural, permanent ponds. Increase the buffer zone to 450 feet from the above aquatic areas when ultra low volume application is made.

Hand-held equipment is prohibited for applications to crops. This product must be applied to crops only with mechanical ground, overhead sprinkler chemigation or aerial application equipment.

Use only in commercial and farm plantings. Not for use in home plantings. Not for use during any period after a commercial crop site is opened for public entry as a "U-Pick", "Pick Your Own" or similar operation; in no case shall preharvest applications be made after first public entry. The restricted entry interval and preharvest interval for the crop stated elsewhere on this label must be followed.

RESISTANCE MANAGEMENT

For resistance management, NUDRIN LV INSECTICIDE is a group 1A insecticide. Repeated and exclusive use of NUDRIN LV INSECTICIDE or other group 1A insecticides may lead to the build-up of resistant strains of insects in some crops. Not all members of this group have been shown to be cross-resistant. Different resistance mechanisms that are not linked to target site of action, such as enhanced metabolism, are common for this group of chemicals. Alternation of compounds from different sub-groups within this group may be an acceptable part of an integrated pest management program.

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below the economic threshold. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at http://www.irac-online.org.

INTEGRATED PEST MANAGEMENT

This product should be used as part of an Integrated Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

SCOUTING

Monitor insect populations to determine whether or not there is a need for application of NUDRIN LV INSECTICIDE based on locally determined economic thresholds. More than one treatment of NUDRIN LV INSECTICIDE may be required to control a population of pests.

BENEFICIAL ARTHROPODS

NUDRIN LV INSECTICIDE at rates of 2/5 to 3/4 pint per acre helps conserve certain beneficials, including big-eyed bugs, damsel bugs, flower bugs and spiders in cotton and soybeans. While these beneficials cannot be relied upon to control pests, they are of potential value and should be monitored along with pests in pest management programs on these crops.

SPRAY PREPARATION

Spray equipment must be clean and free of previous pesticide deposits before applying NUDRIN LV INSECTICIDE.
Fill spray tank 1/4 to 1/2 full of water. Add NUDRIN LV INSECTICIDE directly to spray tank. Mix thoroughly. Use mechanical or hydraulic means; do not use air agitation. Spray mix should not be stored overnight in spray tank.

Compatibility — Since formulations may be changed and new ones introduced, in this situation users can premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.) before applying the product. Avoid mixtures of several materials and very concentrated spray mixtures.

Do not use NUDRIN LV INSECTICIDE with Bordeaux mixture (copper sulfate and hydrated lime), Du Ter triphenyltin hydroxide, lime sulfur, Rayplex iron nor in highly alkaline solutions. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

Tank Mix Sequence – Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product.

1. Water soluble bags.
2. Water dispersible granules.
3. Wettable powders.
4. Water based suspension concentrates.
5. NUDRIN LV INSECTICIDE and other water soluble concentrates.
6. Oil based suspension concentrates.
7. Emulsifiable concentrates.
8. Adjuvants, surfactants, oils, soluble fertilizers, and drift retardants. Follow local practice and manufacturer's recommendation.

APPLICATION

Apply at the recommended rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

Follow-up treatments of NUDRIN LV INSECTICIDE should be applied, as needed, to keep pest populations within threshold limits. On most crops, NUDRIN LV INSECTICIDE should be applied at 5 to 7 day intervals to maintain control. Refer to crop specific directions for use in the crop tables for more specific information on treatment intervals.

Use sufficient water to obtain thorough, uniform coverage. Since NUDRIN LV INSECTICIDE is a fast acting contact insecticide, best results follow direct spraying of the target insect.

For aerial, use a minimum of 2 gals. per acre (gpa) except 10 gpa for peaches and nectarines; 15 gpa for oranges, lemons, grapefruit, tangelos and tangerines.

NUDRIN LV INSECTICIDE is recommended for use as a low volume aerial spray 0.53 gpa (2L) for cotton* and soybeans* and 1 gpa for the crops listed below providing the following conditions are met:

- equipment is adjusted to distribute spray uniformly over the spray swath,
- wind conditions and other factors such as temperature and humidity are such that the spray is delivered to the target area,
- local regulations do not prohibit low-volume aerial sprays,
- use rates are applied as directed on the package label or supplemental labeling for the following crops:

Alfalfa	Celery	Peas (succulent)
Anise	Collards	Peppermint
Asparagus	Corn	Peppers
Barley	Cotton	Potato
Beans	Cucumber	Rye
Broccoli	Lettuce	Soybean
Brussels sprouts	Melons	Spinach
Cabbage	Mint	Sugar beet
Carrot	Oats	Summer Squash
Cauliflower	Peanuts	Wheat

Apply the low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

* Not Registered for aerial application in a diluted volume of less than 1 gal in CA.

SPRAY TANK CLEANOUT

Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

CHEMIGATION

Instructions for the Use of NUDRIN LV INSECTICIDE on Alfalfa, Barley, Oats, Green and Dry Bulb Onions, Potatoes, Rye, Sugar Beets and Wheat Using Overhead Sprinkler Chemigation

Do not apply thru Drip Chemigation unless accompanied by Rotam Supplemental Labeling.

Chemigation: Overhead sprinkler chemigation is allowed for use in alfalfa, barley, succulent and dry beans, oats, onions, succulent peas, potatoes, rye, sugar beets, sweet corn and wheat. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in supplemental labeling.

Overhead chemigation applications offer the advantage of greater penetration and coverage of the target plant. However, typical chemigation applications are more dilute than ground or aerial applications. For best results, it is recommended to keep the concentration of NUDRIN LV INSECTICIDE as high as possible in the application. Apply NUDRIN LV INSECTICIDE in 0.1 to 0.2 inches of water per acre.

NUDRIN LV INSECTICIDE is most active as a contact insecticide, although it does also have activity via ingestion of treated plants. For best results, applications of NUDRIN LV INSECTICIDE should take place when the insects are active and most likely to come into direct contact with the application.

Types of Irrigation Systems:
NUDRIN LV INSECTICIDE may be applied through overhead sprinkler irrigation systems for control of various pests. The irrigation system used must provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible build up of material on 100 mesh or smaller screens. Do not apply NUDRIN LV INSECTICIDE through any other type of irrigation systems, except those allowed by instructions provided in a supplemental, SLN, or this product label.

General Directions for Chemigation:
Preparation
A pesticide tank is recommended for the application of NUDRIN LV INSECTICIDE in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of NUDRIN LV INSECTICIDE into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of NUDRIN LV INSECTICIDE. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH5-7).

Injection Into Chemigation Systems
Inject the proper amount of the NUDRIN LV INSECTICIDE solution into the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water.

Uniform Water Distribution
The irrigation system used for application of NUDRIN LV INSECTICIDE must provide for uniform distribution of NUDRIN LV INSECTICIDE treated water. Non-uniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other experts if you have questions about achieving uniform distribution of the application.

Equipment calibration
Calibrate the irrigation system and injector before applying NUDRIN LV INSECTICIDE. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

Monitoring of Chemigation Applications
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repeirers of application equipment when making edjustments or repairs on the chemigation system when NUDRIN LV INSECTICIDE is in the irrigation water.

Required System Safety Devices
Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrewn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are competible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, beckflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Posting of Areas to be Treated
Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, daycare centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER".

Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

Operation
Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. Apply NUDRIN LV INSECTICIDE in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

Nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices must be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

Cleaning the System
Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.
The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.
The applicator should be familiar with and take into account the information covered in the AerialDriftReductionAdvisoryInformation.

AERIAL DRIFT REDUCTION ADVISORY INFORMATION

Importance of Droplet Size
The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See **Wind, Temperature and Humidity, and Temperature Inversions** sections of this label.

Controlling Droplet Size - General Techniques

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Controlling Droplet Size – Aircraft

- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types and the lowest drift.
- **Boom Length** - For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application Height** - Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- **Swath Adjustment** - When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downward edges of the fields, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

BOOM HEIGHT

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

WIND

Drift potential is lowest between wind speeds of 3-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 3 mph due to variable wind direction and high inversion potential. AVOID GUSTY OR WINDLESS CONDITIONS.
Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.
Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

AIR ASSISTED (AIR BLAST) TREE AND VINE SPRAYERS

Air assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream. These sprayers are not suitable for applying herbicides. In addition to the general drift management principles already described, the following specific practices will further reduce the potential for drift.

Adjust deflectors and aiming devices so that spray is only directed into the canopy.
Block off upward pointed nozzles when there is no overhanging canopy.
Use only enough air volume to penetrate the canopy and provide good coverage.
Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

CROP AND RATE TABLES

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Alfalfa	Pea Aphid Lygus Bugs Blotch Leafminer Aphids Egyptian Alfalfa Weevil Larvae Loopers Beet Armyworm Armyworm Alfalfa Caterpillar Fall Armyworm Western Yellowstriped Armyworm Yellowstriped Armyworm	1 1/2 – 3	7 *	48 hrs
	Alfalfa Weevil Larvae	3		
	Variegated Cutworm	3/4 - 3		
	Do not apply to dormant or semi-dormant alfalfa when minimum. daily temp. is 50° F, or lower. Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. Chemigation: NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. * Do not apply within 7 days of cutting or allowing livestock to graze.			
Anise (Fennel)	Cabbage Looper	3	7	48 hrs
	Beet Armyworm	1 1/2 - 3		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			
Apple Ground application only	Apple Aphid Rosy Apple Aphid Tufted Apple Budmoth Green Fruitworm Tarnished Plant Bug	1 1/2 - 3 *	14	72 hrs
	Codling Moth (10-12 day spray intervals)			
	Leafrollers (Fruit-tree, Obliquebanded, Redbanded, Variegated) Lesser Appleworm White Apple Leafhopper Tentiform Leafminer Cutworm	3 *		
	Do not use on Early Macintosh & Wealthy varieties Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 5 applications per crop; minimum interval between treatments is 7 days. * Apply in a minimum of 50 gallons of water per acre.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Asparagus	Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm Redbacked Cutworm	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop.			
Avocado	Western Avocado Leafroller Omnivorous Looper	1 1/2 - 3	1	48 hrs
	Do not apply more than 3 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop.			
Barley	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Chemigation: NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: NUDRIN LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when the aphid population is low (<10 adults per stem).			
Beans (Succulent) Including: Kidney Lima Mung Navy Pinto Snap Wax Broad Fava Asparagus Blackeyed peas Cowpeas Chick peas Garbanzo beans Sweet lupine White sweet lupine White lupine Grain lupine	Leafhopper Mexican Bean Beetle	3/4 – 3	Succulent Beans - 3/4 - 1 1/2 pts. – 1; over 1 1/2 pts. – 3; 3 - Vines 7 - Hay	48 hrs
	Fall Armyworm Variegated Cutworm	1 1/2		
	Beet Armyworm Corn Earworm Saltmarsh Caterpillar Yellowstriped Armyworm Western Yellowstriped Armyworm Lygus Bugs Thrips Aphids Loopers*	1 1/2 - 3		
	European Corn Borer (Ovicide & Larvicide)– Initiate when moth flights first appear and-continue preventive treatments at 3-4 day intervals To control eggs and larvae	1 1/2-3		
	Spotted Cucumber Beetle	3/4 – 1 1/2		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. * Do not use for Loopers in AL & GA.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Beans (Dry) (Same as Succulent Beans)	(Same as Succulent Beans)	(Same as Succulent Beans)	14 - Dry Beans * 14 - Vines * 14 - Hay *	48 hrs
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. *Do not make more than 10 applications per crop.* Do not use for Loopers in AL & GA. *Do not apply within 14 days of cutting.			
Beets (Table)	Imported Cabbageworm	3/4 - 3	0 - roots 10 -tops	48 hrs
	Beet Armyworm Cabbage Looper Diamondback Moth	1 1/2 - 3		
	Cucumber Beetle Variegated Cutworm	1 1/2		
	Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop.			
Bermudagrass pasture	Fall Armyworm Armyworm Striped Grass Looper	3/4 - 3	7 - Forage * 3 - Dehydrated Hay **	48 hrs
	Do not apply more than 3 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. * Do not apply within 7 days of feeding forage or allowing livestock to graze. ** Do not apply within 3 days of cutting for hay.			
Blueberries	Blueberry Leafhopper Aphids Tussock Moth Weevil Sharp-Nosed Leafhopper	1 1/2	3	48 hrs
	Cranberry Fruitworm* Cherry Fruitworm*	1 1/2 - 3		
	Flea Beetle (larvae) Sawfly (larvae) Blueberry Leafroller	3		
	Blueberry Maggot	3/4 - 1 1/2		
	Do not apply during bloom. Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. * For ground use only.			
Broccoli	Loopers Diamondback Moth	1 1/2 - 3**	3	48 hrs
	Imported Cabbageworm	3/4 - 3**		
	Do not apply more than 21 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Brussels Sprouts	Loopers Imported Cabbageworm Diamondback Moth	1 1/2 – 3 **	3	48 hrs
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			
Cabbage	Loopers * Diamondback Moth Fall Armyworm	1 1/2 - 3 **	1	48 hrs
	Imported Cabbageworm	3/4 - 3 **		
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 24 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 15 applications per crop; minimum interval between treatments is 2 days. * Do not use for Loopers in AL & GA. ** Add a wetting agent to improve coverage.			
Carrot	Beet Armyworm Armyworms Aster Leafhopper	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	3/4 – 1 1/2		
	Do not apply more than 21 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			
Cauliflower	Imported Cabbageworm	3/4 – 3 **	3	48 hrs
	Loopers Diamondback Moth	1 1/2 – 3 **		
	Variegated Cutworm	1 1/2 **		
	Do not apply more than 24 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop; minimum interval between treatments is 2 days. ** Add a wetting agent to improve coverage.			
Celery	Beet Armyworm Aster Leafhopper	1 1/2 – 3	7	48 hrs
	Loopers	3		
	Variegated Cutworm	1 1/2		
	Armyworms	3/4 - 3		
	Do not apply more than 24 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			
Chicory	Beet Armyworm Variegated Cutworm Leafhoppers	1 1/2 - 3	80	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Chinese Cabbage	Loopers Beet Armyworm	1 1/2 - 3*	10	48 hrs
	Do not apply more than 24 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. * Minimum of 25 gallons water per acre by ground or 5 gallons by air.			
Collards (Fresh market only)	Diamondback Moth Variegated Cutworm	1 1/2	10	48 hrs
	Imported Cabbageworm Beet Armyworm Loopers*	1 1/2 - 3		
	Do not apply when temp. is less than 50° F. Do not apply when crop is less than 10" tall. Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. * Do not use for Loopers in AL & GA.			
Corn (Field, Popcorn & Seed)	Earworm – (Ovicide/Larvicide) Armyworm Fall Armyworm European Corn Borer Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids	3/4 – 1 1/2	21 - Ears 3 - Forage* 21 - Stover*	48 hrs
	Variegated Cutworm, Beet Armyworm	1 1/2		
	Do not apply more than 7.5 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. *Corn forage is green actively growing plants that are harvested with the ears intact. The plants can be fed directly to animals or used to make silage. Corn stover are the parts of the plant that remain after removal of the grain at full plant maturity. These remaining stalks and leaves can be fed as roughage to animals.			
Corn (Sweet)	Earworm–Whorl as needed	1 – 1 1/2	0 -Ears 3 - Forage 21 - Stover	48 hrs
	Fall Armyworm Armyworm Earworm, (Ovicide/Larvicide) European Corn Borer -Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids	3/4 – 1 1/2		
	Variegated Cutworm Beet Armyworm	1 1/2		
	Certain hybrid varieties of sweet corn are susceptible to methomyl injury. Treat a small area to determine crop safety before full scale spraying. Do not apply more than 21 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 28 applications per crop; minimum interval between treatments is 1 day.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Cotton – All US	**Ovicide/Larvicide -** Bollworm Tobacco Budworm (Initiate schedule when significant numbers of eggs are present. Continue at 3 to 5-day intervals while eggs are present and larval control is adequate. If significant larvae survive, use higher rates below.) Lygus Bugs/Plant Bugs (adults and nymphs) Start treatment on low level population for suppression.	2/5 - 3/4 (see Insect Predator Section)	15	72 hrs
	Cotton Leafworm	3/4 – 1 1/2		
	Cotton Fleahopper (as needed)	2/5 – 3/4		
	Aphids, Thrips	3/4		
East of Rockies only	**(Early Season)** Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/PlantBugs (adults and nymphs) Use as occasional spray in regular schedule but not more often than every 10 days.	1 1/2		
	(Late Season) Bollworm Tobacco Budworm Beet Armyworm Cotton Leafperforator Fall Armyworm Lygus Bugs/Plant Bugs (adult and nymphs) Up to 3 applications at 3-5 day intervals after desired boll load set on plants.	1 1/2 – 2 1/4		
Texas	Cotton Aphid	3/4 – 2		
West of Rockies only	**Larvicide for worms:** Bollworm Fall Armyworm Tobacco Budworm Lygus Bugs Beet Armyworm	1 1/2 – 2 1/4		
	Cotton Leafperforator	1 – 2 1/4		
	For applications West of the Rockies, make applications on 3-5 day intervals after desired boll load set on plants. **For all applications made to cotton in the United States:** Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. Do not graze or feed. Use may redden cotton. If excessive, stop or alternate with other insecticides.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt. -- 1 Over 1 1/2 pt.- 3	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 12 applications per crop.			
Eggplant	Green Peach Aphid	3/4 – 3	5	48 hrs
	Tomato Pinworm (Ground Application Only) Beet Armyworm Corn Earworm	1 1/2 - 3		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			
Endive, Escarole	Beet Armyworm	1 1/2 - 3	10	48 hrs
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop.			
Garlic	Beet Armyworm	1 1/2**	7	48 hrs
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 6 applications per crop. ** Add a wetting agent to improve coverage.			
Grapefruit CA, AZ & HI only	Thrips Fruittree Leafroller Orange Tortrix Western Tussock Moth Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Horseradish (Ground application Only)	Aphids Thrips	1 1/2	65	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Leafy Green Vegetables: Beet (tops) Dandelions, Kale, Mustard Greens, Parsley, Swiss Chard, Turnip Greens	Beet Armyworm Cabbage Looper* Diamondback Moth Imported Cabbageworm	1 1/2 - 3	10	48 hrs
	Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. * Do not use for Cabbage Loopers in AL & GA.			
Lemon CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Lentils	Western Yellowstriped Armyworm	1 1/2 - 3	21	48 hrs
	Do not apply more than 3 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop.			
Lettuce (Head and Leaf varieties)	Alfalfa Looper	3/4 - 3	3/4-1 1/2 pt. – 7 over 1 1/2 pts. – 10	48 hrs
	Thrips Aphids Beet Armyworm Cabbage Looper Corn Earworm Aster Leafhopper	1 1/2 - 3		
	Variegated Cutworm	1 1/2		
	Lettuce (head varieties) Do not apply more than 24 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 15 applications per crop; minimum interval between treatments is 2 days. **Lettuce (leaf varieties)** Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop; minimum interval between treatments is 2 days.			
Melons Including: Canteloupe Casaba Santa Claus melon Crenshaw melon Honeydew melon Honey balls Persian melon Golden Pershaw melon Mango melon Pineapple melon Snake melon Watermelon	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pts. – 1 day over 1 1/2 pts. – 3 days	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 12 applications per crop.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Mint (Peppermint, Spearmint)	Variegated Cutworm Alfalfa Looper	3	14	48 hrs
	Flea Beetles	2 1/4 - 3		
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Nectarine CA & AZ only	Thrips	1 1/2 – 3	1	72 hrs
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 3 applications per crop.			
Oats	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Chemigation: NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: NUDRIN LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			
Onions (Green & Dry Bulb)	Beet Armyworm	1 1/2 - 3**	7 - Green & Dry Bulb Onions	48 hrs
	Thrips* Variegated Cutworm Black Cutworm	3**		
	Onions, green Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop; minimum interval between treatments is 5 days. **Onions, dry bulb** Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop; minimum treatment interval between treatments is 5 days. *Chemigation: NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation to control thrips. Begin applications before thrips populations reach 3-5 thrips per plant. For best results, use the highest rate of NUDRIN LV INSECTICIDE and a wetting agent. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. ** Add a wetting agent to improve coverage.			
Oranges CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Fruittree Leafroller Beet Armyworm Citrus Cutworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Peaches	Catfacing Insects (Plant Bugs and Stink Bugs) - begin at petal fall and continue in cover sprays at 7 to 10-day intervals Oriental Fruit Moth* -begin at petal fall; use trapping devices and frequent field inspection to determine need for treatment. Continue treatment in cover sprays and alternate with residual-type insecticides registered for this use. Green Peach Aphid	3 pt (or 3/4 pt per 100 gal up to 400 gal per acre)	4	4 days
	Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 6 applications per crop. * Oriental Fruit Moth (Ground Application Only).			
Peanuts	Corn Earworm* Potato Leafhopper Fall Armyworm	3/4 – 3	21	48 hrs
	Beet Armyworm	1 1/4 - 3		
	Green Cloverworm Velvetbean Caterpillar Cabbage Looper Soybean Looper ** Thrips Granulate Cutworm	1 1/2 – 3		
	Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop. Do not feed treated vines. * NUDRIN LV INSECTICIDE has ovicidal and larvicidal control on corn earworm. **Soybean Looper is difficult to control. Do not apply to worms greater than 1/2" long. Use higher rate for severe infestations.			
Pears Northeast only	Green Fruitworm Oblique banded Leafroller	1 1/2 - 3*	7	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop. * Apply in a minimum of 50 gallons of water per acre.			
Peas (succulent) Including: Pigeon peas, Chick peas, Garbanzo beans, Dwarf peas, Garden peas, Green peas, English Peas, Field peas, Edible pod peas	Alfalfa Looper Cabbage Looper* Pea Aphid Beet Armyworm Saltmarsh Caterpillar Variegated Cutworm	1 1/2 - 3	1 - Peas 5 – Forage 14 - Hay	48 hrs
	Alfalfa Caterpillar Armyworm Green Cloverworm	3/4 - 3		
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 6 applications per crop; minimum interval between treatments is 3 days. * Do not use for Cabbage Loopers in AL & GA.			
Pecans Southeast only	Aphids	1 1/2 - 3	30	48 hrs
	Do not apply more than 21 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 7 applications per crop.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Peppers Including: Bell Hot Pimentos Sweet	Loopers Beet Armyworm Green Peach Aphid Armyworm Fall Armyworm	1 1/2 – 3	3	48 hrs
	Variegated Cutworm	3/4 – 1 1/2		
	European Corn Borer	3		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop.			
Pomegranates	Omnivorous Leafroller	3	14	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop.			
Potato	Tuberworm* Loopers Aphids Beet Armyworm Leafhoppers Fall Armyworm	1 1/2 – 3	6	48 hrs
	Variegated Cutworm Flea Beetles	1 1/2		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. Chemigation - NUDRIN LV INSECTICIDEmay be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Repeat applications of NUDRIN LV INSECTICIDE on a 5-7 day schedule, or longer as needed, to control tuber worm populations. An application schedule of effective insecticides with different modes of action may be needed to keep foliar feeding larval populations as low as possible prior to harvest to reduce the risk of larval damage to the tubers. Failure to adequately control tuberworm larvae prior to crop senescence or vine kill increases the risk of tuber damage.			
Rye	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Chemigation - NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: NUDRIN LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Sorghum Including: Sudangrass (except Sweet Sorghum)	Sorghum Webworm	1 1/2*	14**	48 hrs
	Sorghum Midge –Apply when 50% bloom and 3-5 days later if needed. Fall Armyworm (Budworm) Beet Armyworm Corn Earworm Armyworm	3/4 – 1 1/2*		
	Do not apply more than 3 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 2 applications per crop. * Minimum of 10 gallons per acre by ground or 2 gallons per acre by air. ** Do not apply within 14 days of feeding forage or cutting for hay.			
Soybeans	Green Cloverworm Velvetbean Caterpillar Mexican Bean Beetle Corn Earworm - **Light to moderate Infestations**	2/5 - 3/4 (see Insect Predator section)	14 - Soybeans 3 - Forage 12 - Hay	48 hrs
	Corn Earworm - **Moderate to severe infestations**	3/4 – 1 1/2		
	Soybean Aphid	1/2 – 1		
	Beet Armyworm Salt Marsh Caterpillar Bean Leaf Beetle Fall Armyworm Thrips Silver Spotted Skipper - **Light to moderate infestations**	3/4 – 1		
	Silver Spotted Skipper - **Moderate to severe infestations**	1 – 1 1/2		
	Do not apply more than 4.5 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 3 applications per crop.			
Spinach	Alfalfa Looper Cabbage Looper Beet Armyworm Fall Armyworm	1 1/2 - 3	7	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply when minimum daily temp. is 32° F, or lower. Do not apply to seedlings less than 3" diameter. Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 8 applications per crop.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Sugar Beet	Beet Webworm Flea Beetles Carrion Beetles Beet Armyworm* Aphids* Western Yellowstriped Armyworm*	3/4 - 3	30 - Tops 21- Roots	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 10 applications per crop. *Chemigation - NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation to control beet armyworm, aphids and western yellowstriped armyworm. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information.			
Summer Squash* Including: Crookneck squash Straightneck squash Scallop squash Vegetable marrow Spaghetti squash Hyotan Cucuzza Hechima Chinese okra Bitter melon Balsam pear Balsam apple Chinese Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1 1/2 - 3	1 1/2 pt. – 1 day over 1 1/2 pt – 3 days	48 hrs
	Do not apply more than 18 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 12 applications per crop. * Fruit of the Gourd (Cucurbitaceae) family that are consumed when immature, 100% of the fruit is edible cooked or raw, once picked cannot be stored, has a soft rind which is easily penetrated, and if seeds were harvested they would not germinate.			
Tangelo, Tangerine CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1 1/2 - 3	1	72 hrs
	Do not apply more than 9 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop.			
Tobacco (Except shade)	Flea Beetle Hornworm	3/4 – 1 1/2	5 - Flue cured 14 - Air or fire cured	48 hrs
	Loopers Aphids Tobacco Budworm Fall Armyworm	1 1/2		
	Do not apply more than 7.5 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 5 applications per crop.			

Crops	Insects	Rate NUDRIN LV INSECTICIDE Pts. Per Acre	Last Application -Days To Harvest	REI
Tomato (Including Tomatillos*)	Tomato Fruitworm Aphids Hornworm Loopers Beet Armyworm Southern Armyworm Pinworm Armyworm Fall Armyworm	1 1/2 - 3	1	48 hrs
	Variegated Cutworm	1 1/2		
	Do not apply more than 21 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 16 applications per crop. * For tomatillos do not apply more than 15 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 5 applications per crop.			
Turf (For use on sod farms only)	Sod Webworm (after application, sprinkle irrigate for 15 minutes)	3 (1.1 fl. ozs. per 1000 sq. ft.)		48 hrs
	Do not apply more than 12 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Do not graze or feed.			
Wheat	Armyworms Cereal Leaf Beetle* Aphids**	3/4 – 1 1/2	7	48 hrs
	Do not apply more than 6 pints of NUDRIN LV INSECTICIDE per acre per crop. Do not make more than 4 applications per crop. Chemigation: NUDRIN LV INSECTICIDE may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN LV INSECTICIDE. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Cereal leaf beetle: NUDRIN LV INSECTICIDE can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. **Aphids: For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem).			

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Do not subject to temperatures below 32 degrees F. Store product in original container only. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

All Refillable Containers: Refillable container. Refilling Container: Refill this container with NUDRIN LV INSECTICIDE containing methomyl only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see proceeding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not transport if container is damaged or leaking.

In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Rotam North America, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Rotam North America, Inc. and Seller harmless for any claims relating to such factors.

Rotam North America, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Rotam North America, Inc., and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ROTAM NORTH AMERICA, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, Rotam North America, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ROTAM NORTH AMERICA, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ROTAM NORTH AMERICA, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Rotam North America, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Rotam North America, Inc.

Registered:04/05/2011

Manufactured for:
ROTAM NORTH AMERICA, INC.
1400 NW 107th Avenue, Suite 310
Miami, FL 33172
1-866-927-6826

MATERIAL TO BE ADDED TO JACKET

REG # 83100-27

Description: Notification - PRN-98-16

check all that apply		Send to CSC
☐	new stamped accepted label	
☐	new CSF	
☐	notification	

Instructions:

Attach this sheet to the top of **ALL** material sent to the file room (both loose paper and new material in jackets). This sheet will be imaged; a clear description will aid in finding material in the e-jacket. Remove staples from all material. If returning loose paper then hold together with a binder or paper clip. CSFs should be placed in the CSF folder (if returning jacket) or covered with a red CBI sheet (if returning loose paper). Material to be returned to file room should be place in the appropriate bin.

Reviewer's Name: Sanza Diapad Date: 6-22-11

Phone: 305-7269 Division: PIR

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUN 16 2011

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Frank E. Sobotka, Ph.D
Agent for Rotam Agrochemical Company Limited
IPM Resources LLC
4032 Crockers Lake Blvd, Suite 818
Sarasota, FL 34238

Dear Mr. Sobotka:

The Agency is in receipt of the following Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10:

Product	MFA
EPA Reg No 83100-27	Basic, Alternate
Rotam Methomyl 29LV Insecticide	Date **5/10/11**

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The Confidential Statement of Formula (CSF) submitted with the application is considered "acceptable" and has been placed in our records.

If you have any questions, please contact me directly at 703-305-5335 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

Paul J Mastradone

Paul Mastradone, Acting Leader
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

D#449154

MFA

Due 6/26

IPM *Resources LLC*

4032 Crockers Lake Blvd., Suite 818, Sarasota, FL 34238 Phone: (215) 497-9501 Fax: (215) 497-9502

"an intellectual property management resource company"

May 10, 2011

VIA UPS EXPRESS NDA

Hebert.John@epa.com
[REF. ☎ 1 -703-308-6249]

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
ATTN: John Hebert PM 7/Tom Harris

SUBJECT: Notification of Alternate Source of an Inert Per PR Notice 98-10
Rotam Methomyl 29LV Insecticide 83100 - 27

Dear Mr Harris:

The purpose of this letter is to transmit to the Agency Notification on behalf of Rotam Agrochemical Company Limited to add an Alternate Source for the [redacted] to the Basic and Alternate Confidential Statement of Formula.

This Notification is being submitted consistant with the Provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1991 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

This Notification is being requested to ensure production volumes of the product due to the uncertainty of supply and limited availability of the solvent from the Primary source of the [redacted] for formulation of the product in the United States.

The following documents are enclosed with this submission:

Administrative Materials: (MRID No.: _____)

- Transmittal Form (EPA Form 8570-1)
- 3 Copies ea of the Revised Basic and Alternate CSF's.
- 1 Copy of the MSDS for New Source [redacted]

Thank you for your assistance with this Notification. If you have any questions or need additional information, please do not hesitate to contact us at any time.

Sincerely yours,

I needs approved.

11-21-90

Frank E. Sobotka, Ph.D.
Senior Partner
IPM Resources LLC (Agent)

Inert ingredient information may be entitled to confidential treatment

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

EPA

United States
Environmental Protection Agency
Washington, DC 20460

- [ ] Registration
- [ ] Amendment
- [x] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Rotam Agrochemical Company Ltd / 83100-27	John Hebert	[x] None [ ] Restricted
4. Company/Product (Name) Rotam Methomyl 29LV Insecticide	**PM#** 7	

5. Name and Address of Applicant *(Include ZIP Code)*

ROTAM Agrochemical Company Limited
C/O IPM Resources LLC (Agent)
4032 Crockers Lake Blvd., Suite 818
Sarasota, FL 34238

[ ] *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

- [ ] Amendment - Explain below.
- [ ] Resubmission in response to Agency letter dated _____
- [x] Notification - Explain below.
- [ ] Final printed labels in reponse to Agency letter dated _____
- [ ] "Me Too" Application.
- [ ] Other - Explain below.

NOTIFICATION
JUN 10 2011

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Notification to add an Alternate Source of a registered Inert for [redacted] to the Basic and Alternate Confidential Statement of Formula for Rotam Methomyl 29LV Insecticide (83100-27). This Notification is consistent with the provisions of PR Notice 98-10. A Statement of Certification is contained in the Transmittal letter with this Notification.

Inert ingredient information may be entitled to confidential treatment

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Metal [ ] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
** Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[ ] Label [ ] Container	1qt, 1 gal, 2.5 gal, 15 gal, 55 gal, bulk	[ ]

6. Manner in Which Label is Affixed to Product [ ] Lithograph [ ] Paper glued [ ] Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Frank E. Sobotka, Ph.D.	Agent	215 497-9501

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature	3. Title	
	Agent	
4. Typed Name Frank E. Sobotka, Ph.D.	**5. Date** May 10, 2011	

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Pages 166-169 Product ingredient source information may be entitled to confidential treatment